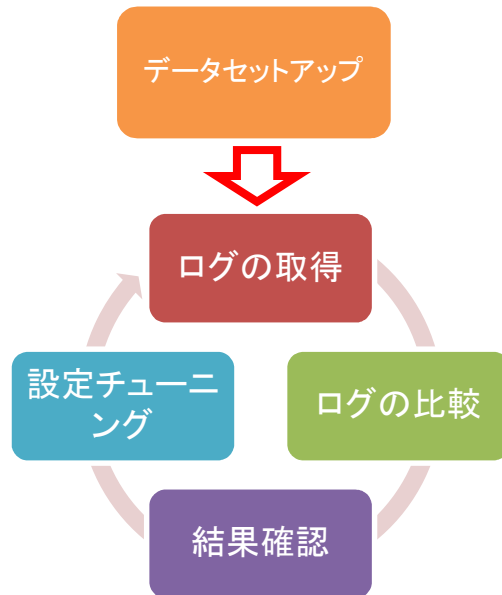


Libra使用手順書

1.基本フロー

1-1. 基本フロー

作業全体イメージ



①データセットアップについて

実行までに以下の情報をセットアップする必要がある

・レジスターコマンド

各OS別に、比較時のルールを定義する

・コマンドセット

レジスターコマンドをグループ化

・プロファイル

認証情報セット

・機器リスト

機器情報、コマンド情報、認証情報の組み合わせをまとめた情報

②ログの取得について

前提として、機器リストを準備する

機器リストに設定した情報に基づき、対象機器にログインしてコマンドを実行した結果をファイルに残す
実行した結果は以下に格納される

C:\¥Libra¥logget¥

実行手順

③ログ比較について

取得したログに対して、レジスターコマンドで設定した事前処理を施したものを比較する
比較した結果は以下に格納される

C:\¥Libra¥logget¥diffresult

実行手順

④設定チューニングについて

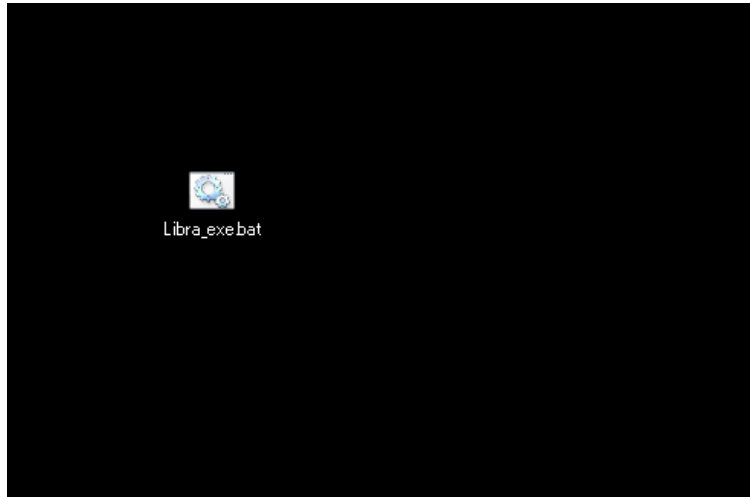
必要であれば、比較ルールの変更やリストの編集などを行う

Libra使用手順書

1.ログイン

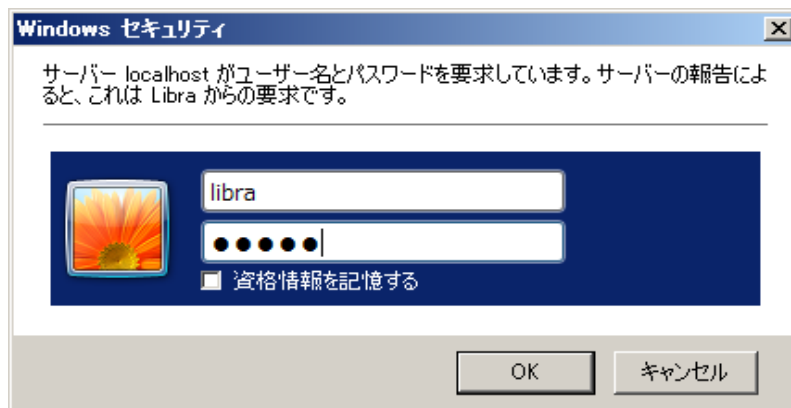
1-1. ログイン

- (1) デスクトップのLibra_exe.batをWクリックで起動する



- (2) ユーザIDとパスワードを入力し、OKをクリックする
※データ読み込み先の数により、最大3回認証が求められる

ユーザID/パスワード
libra/libra

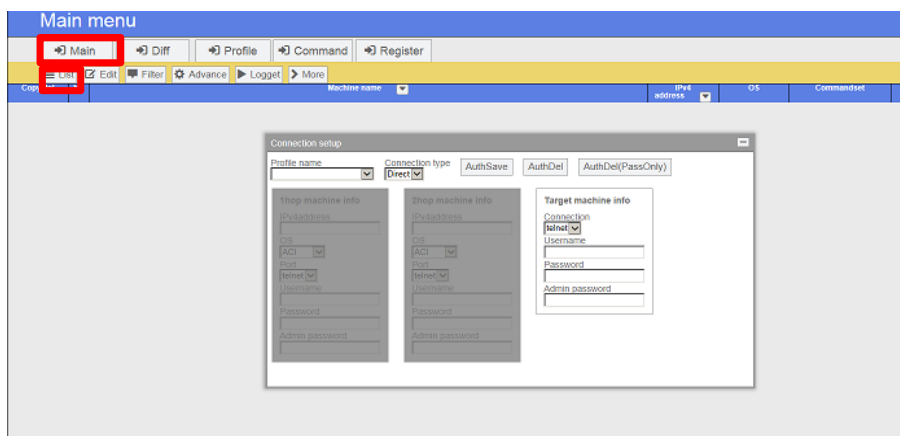


Libra使用手順書

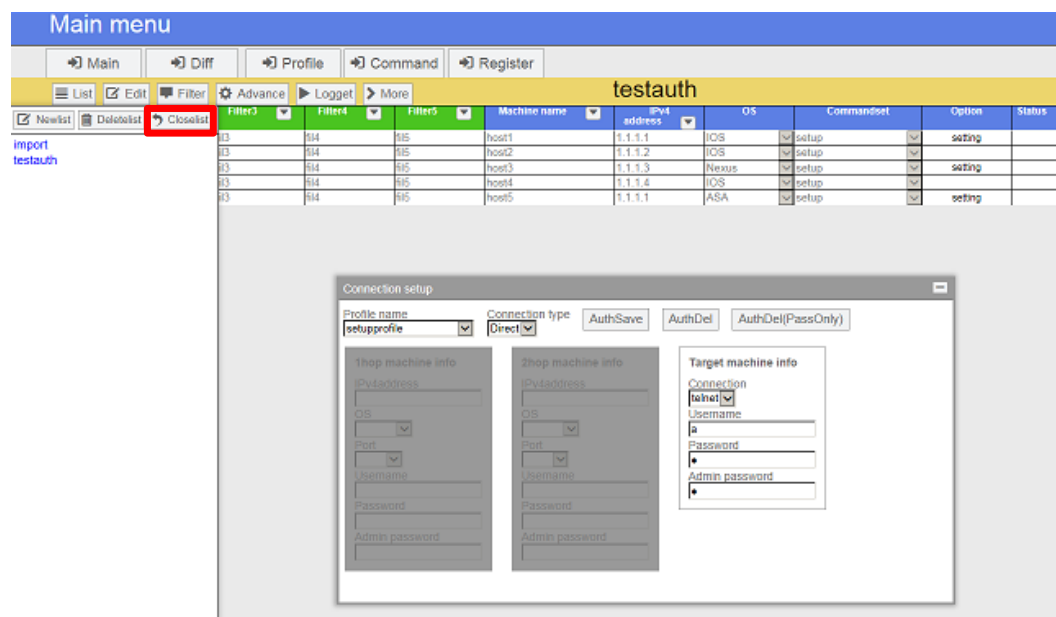
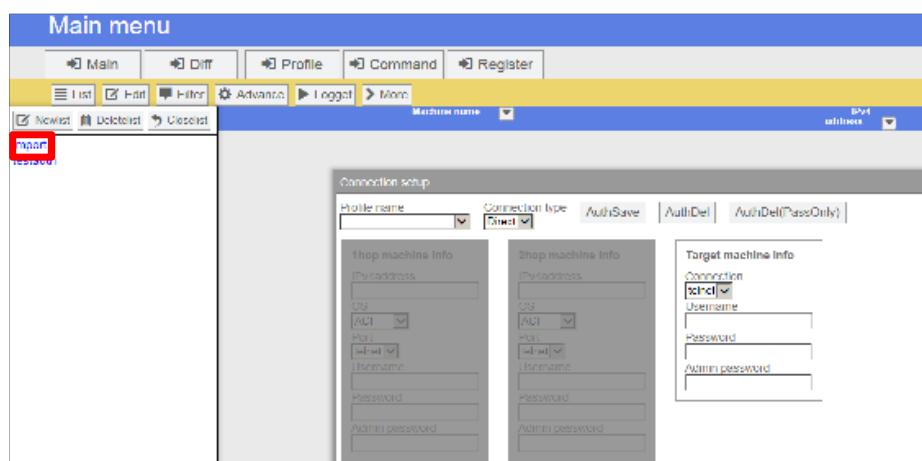
1.Libraからteratermの起動

1-1. 対象のリストを開く

- (1) 「Main」ボタンを押し、MainMenu画面を開く
「List」ボタンを押し、Listの一覧を開く

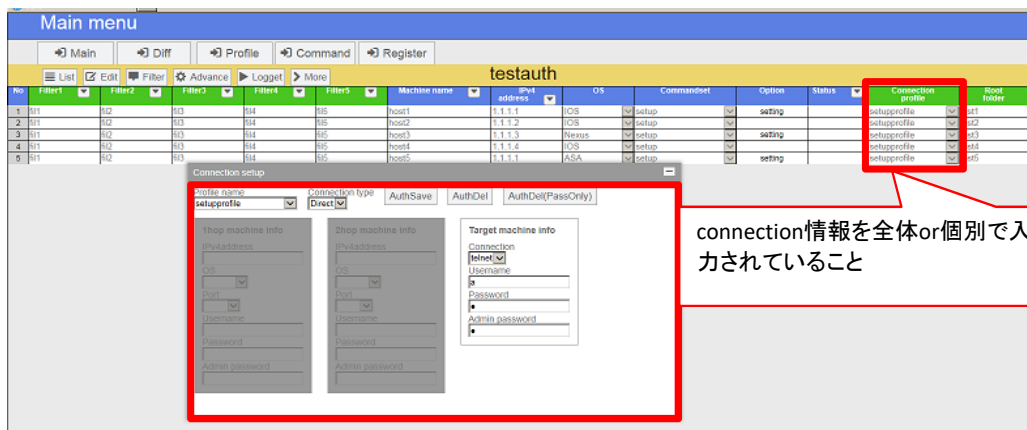


- (2) 実行対象のList名を押す
「CloseList」を押してリスト一覧を閉じる

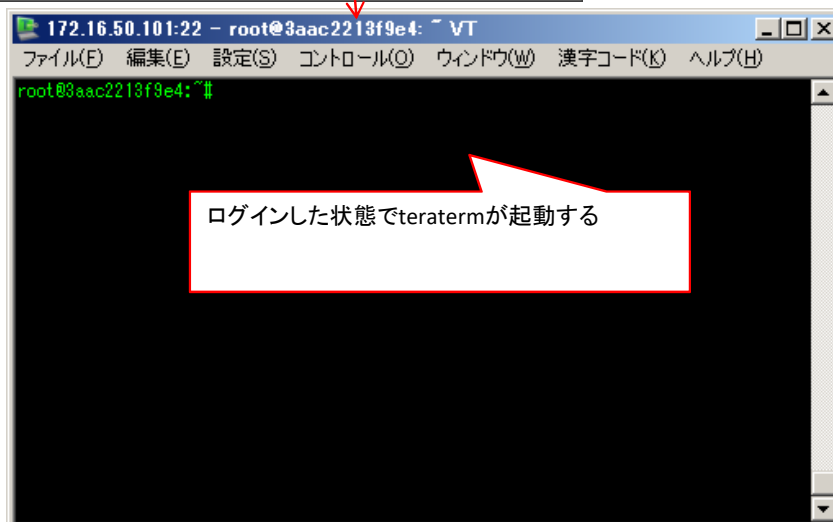
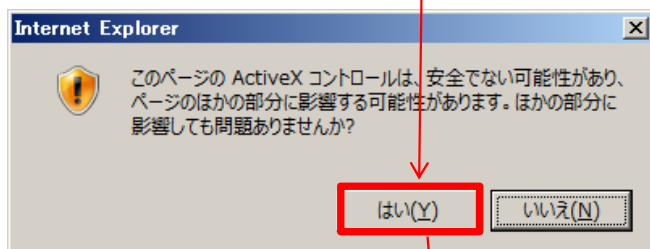
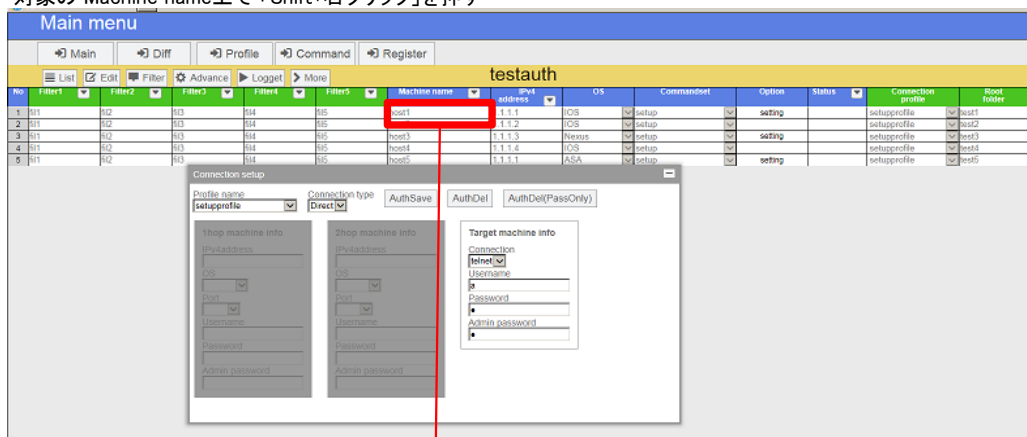


1-2. 対象機器でteraterm起動

(1) いずれかのProfileが入力されていること



(2) 対象の Machine name上で「Shift+右クリック」を押す



Libra使用手順書

1.レジスターコマンドの編集

1-1. 新規レジスターコマンドの追加

- (1) 「Register」ボタンを押し、Command register画面を開く
「New」をクリック

| Command register | | | | | |
|------------------------------------|--------|-----------------------------------|---------|---------|------|
| Main Diff Profile Command Register | | | | | |
| New Import | | | | | |
| No | Filter | Command String | OS Type | Compare | Note |
| 1 | | cat /proc/cpuinfo | ACI | No | |
| 2 | | cat /proc/meminfo | ACI | No | |
| 3 | | free | ACI | No | |
| 4 | | show bgp ipv4 unicast vrf all | ACI | No | |
| 5 | | show bgp sessions vrf all | ACI | Yes | |
| 6 | | show bgp vpnv4 unicast vrf all | ACI | Yes | |
| 7 | | show cdp neighbors | ACI | Yes | |
| 8 | | show copp policy stats | ACI | Yes | |
| 9 | | show diagnostic result module all | ACI | Yes | |
| 10 | | show endpoint summary | ACI | Yes | |
| 11 | | show endpoint | ACI | Yes | |
| 12 | | show environment | ACI | Yes | |
| 13 | | show hardware | ACI | Yes | |
| 14 | | show interface counters errors | ACI | Yes | |
| 15 | | show interface status | ACI | Yes | |
| 16 | | show interface trunk | ACI | Yes | |
| 17 | | show interface | ACI | Yes | |
| 18 | | show inventory | ACI | Yes | |
| 19 | | show ip arp vrf all | ACI | No | |
| 20 | | show ip bgp neighbors vrf all | ACI | Yes | |
| 21 | | show ip bgp vrf all | ACI | No | vsh |
| 22 | | show ip interface brief vrf all | ACI | Yes | |
| 23 | | show ip interface brief | ACI | Yes | |
| 24 | | show ip ospf database vrf all | ACI | No | |
| 25 | | show ip ospf interface vrf all | ACI | Yes | |
| 26 | | show ip ospf neighbors vrf all | ACI | Yes | |

灰色行は比較をしない設定のコマンド
(Compare列がNo)

- (2) (比較しない設定の場合)
「CommandString」に実行コマンドを入力
Ostypeに該当OSを選択する
Saveをクリック

The command create

Basic Information on the command

No 411

Command String

OS Type

ACI

Compare

No

Command Memo

Filter

Note

✓ Save

✓ Cancel

- (3) (比較する設定の場合)
「CommandString」に実行コマンドを入力
Ostypeに該当OSを選択する
CompareをYesに設定する
下記、青枠の情報を入力する(必要のない部分は空白可)
「Save」をクリック

The command create

Basic Information on the command

No 411

Command String

OS Type

ACI

Compare

Yes

Command Memo

Filter

Note

Comparative rule (Processing order)

| | | | | | |
|------------|-----------|------|---------|---------|------|
| Start Line | Stop Line | Grep | Grep -V | Replace | Sort |
| | | - | - | - | No |

✓ Save

✓ Cancel

Compare ruleで比較前のログ編集を定義する

StartLine:ログの比較開始行番号、または文字列

StopLine:ログの比較終了行番号、または文字列

Grep:ログの比較対象行をgrepのキーワードで絞り込みを行う

Grep-v:ログの比較対象行をgrep-vのキーワードで絞り込みを行う

Replace:ログを特定のキーワードに一致する部分を別の文字で置き換える

Sort:ログを並び替える

Libra使用手順書

1. プロファイルの編集

1-1. 新規プロファイルの追加

- (1) 「Profile」ボタンを押し、Connection profile画面を開く

The screenshot shows the 'Connection profile' window. At the top, there is a navigation bar with buttons: Main, Diff, Profile, Command, and Register. The 'Profile' button is highlighted with a red rectangle. Below the navigation bar, there is a yellow bar with 'NewConnectionprofile' and 'Save' buttons. The main area contains a table with columns: Profile name, Connection type, Hop machine info (IPv4address, OS, Port), Auth group, OS, Option, and Console server info. The first row shows 'setupprofile' as the profile name and 'Direct' as the connection type.

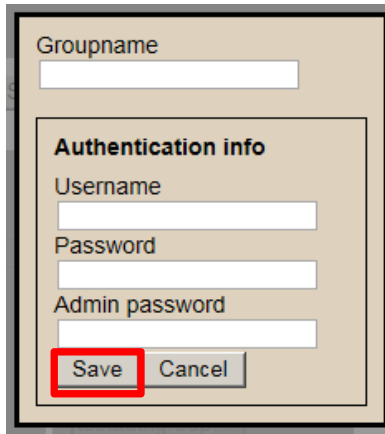
- (2) 「NewConnectionprofile」をクリック

This screenshot is identical to the previous one, but the 'NewConnectionprofile' button in the yellow bar is highlighted with a red rectangle. A red arrow originates from this button and points towards the 'Set up auth' button in the next screenshot.

- (3) 「Set up auth」をクリック
※既存のAuthgroupを利用する場合は省略可

The screenshot shows the 'Connection setup' window. It has a 'Profile name' text field and a 'Connection type' dropdown menu set to 'Direct'. There are 'Save', 'Cancel', and 'Set up auth' buttons. The 'Set up auth' button is highlighted with a red rectangle. Below these are three panels: '1hop machine info', '2hop machine info', and 'Console server info'. Each panel contains fields for IPv4address, OS (dropdown), Port, and Auth group (dropdown). The 'Console server info' panel also has an 'Option' field. To the right is a 'Target machine info' panel with 'Connection' (telnet), 'Auth group' (testauthgroup), and 'Port' (dropdown) fields. A red arrow points from the 'Set up auth' button to the 'Auth group' dropdown in the 'Console server info' panel.

入力後、「Save」をクリック

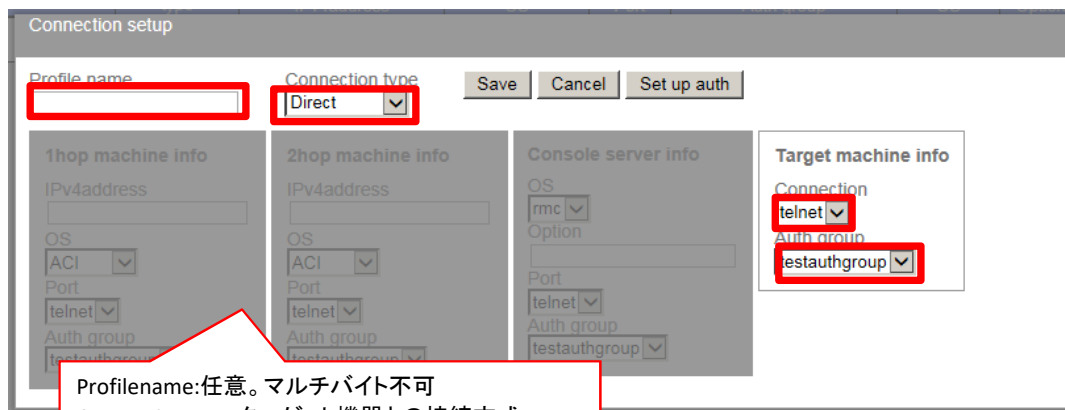


A dialog box titled "Authentication info" with a "Groupname" field at the top. Below it are fields for "Username", "Password", and "Admin password". At the bottom are "Save" and "Cancel" buttons. The "Save" button is highlighted with a red box.

Groupname: 任意、マルチバイト不可
Username: ログインユーザ
Password: ログインパスワード
Adminpassword: enable パスワード

※既存のauth groupの内容を変更する場合は、「Groupname」を同じにすることで上書きすることが可能

(4) Profileを作成する
入力後、「Save」をクリック



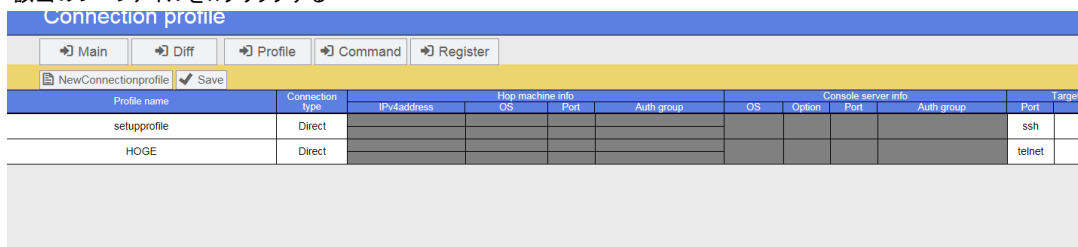
A "Connection setup" dialog box. It has a "Profile name" field (highlighted with a red box) and a "Connection type" dropdown menu (set to "Direct", also highlighted with a red box). There are "Save", "Cancel", and "Set up auth" buttons. Below are four sections: "1hop machine info", "2hop machine info", "Console server info", and "Target machine info". Each section contains fields for "IPv4address", "OS", "Port", and "Auth group". In the "Target machine info" section, the "Connection" dropdown is set to "telnet" and the "Auth group" dropdown is set to "testauthgroup", both highlighted with red boxes.

Profilename: 任意。マルチバイト不可
ConnectionType: ターゲット機器との接続方式
Direct, 1hop, 2hopから選択する

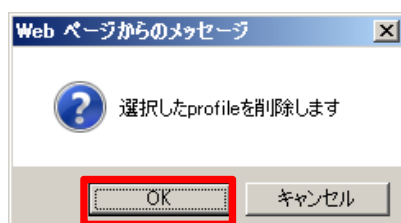
Connection: ログインshellをtelnetかsshで選択する
Authgroup: 作成済みの認証情報を選択する

1-2. プロファイル削除

(1) 該当のプロファイルをWクリックする



A table titled "Connection profile" with tabs for "Main", "Diff", "Profile", "Command", and "Register". The "Profile" tab is selected. Below the tabs is a table with columns: Profile name, Connection type, IPv4address, Hop machine info (OS, Port), Auth group, OS, Option, Console server info (Port), Auth group, Port, and Target. The table contains two rows: "setupprofile" and "HOGE". The "setupprofile" row has "Direct" for Connection type, and "ssh" for Target. The "HOGE" row has "Direct" for Connection type, and "telnet" for Target.



A "Web ページからのメッセージ" dialog box. It contains a question mark icon and the text "選択したprofileを削除します". At the bottom are "OK" and "キャンセル" buttons. The "OK" button is highlighted with a red box.

Libra使用手順書

1.コマンドセットの編集

1-1. 新規コマンドセットの追加

- (1) 「Command」ボタンを押し、Commandset画面を開く

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | Setup | Nexus | |

- (2) 「NewCommandset」をクリック

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | Setup | Nexus | |

- (3) 「Name」に一意の名前を入力する

「OS」から作成対象のOSを選択する

Cmd001～Cmd040に、対象のコマンドを選択する(Registerに登録されているコマンドが選択可能)

※ログ取得時はここで設定した番号順で、コマンドを実行する

Create Commandset

Name: demoCMD OS: IOS Filter:

| Cmd001 | Cmd002 |
|--------------------------------------|--------|
| dir all | Cmd004 |
| dir | Cmd006 |
| sh pppoe session | Cmd008 |
| sh version | Cmd010 |
| show access-list | Cmd012 |
| show arp | Cmd014 |
| show bfd neighbors detail | Cmd016 |
| show bfd neighbors | Cmd018 |
| show bridge | Cmd020 |
| show buffers usage | Cmd022 |
| show buffers | Cmd024 |
| show cdp neighbors | Cmd026 |
| show clock | Cmd028 |
| show crypt isakmp sa detail | Cmd030 |
| show crypto engine connection active | Cmd032 |
| show crypto ipsec sa | Cmd034 |
| show crypto isakmp sa detail | Cmd036 |
| show crypto isakmp sa | Cmd038 |
| show crypto session detail | Cmd040 |
| show diag | |
| show dlsr capabilities | |
| show dlsr circuits | |
| show dlsr peer | |
| show dlsr reachability | |
| show dlsr statistics | |
| show dlsr transparent cache | |
| show dlsr transparent map | |
| show dlsr transparent neighbor | |
| show env all e Thermal | |
| show env all | |

Note:

Save Cancel

選択式で、途中まで入力することで絞り込み可

(4) 「Save」をクリックして、保存する

Create Commandset

NamedemoCMDOSIOSFilter

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show arp | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note

☒ Save

Command set

MainDiffProfileCommandRegister

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|--------------------------|----|--------|-----------------|---------|------|
| <input type="checkbox"/> | | | setup | Nexus | |
| <input type="checkbox"/> | | | demoCMD | IOS | |

1-2. コマンド編集

- (1) 該当のコマンドセットをWクリックする

| Command set | | | | | |
|------------------------------------|----|--------|-----------------|---------|------|
| Main Diff Profile Command Register | | | | | |
| NewCommandset | | | | | |
| copy | No | Filter | Commandset Name | OS type | Note |
| + | | | Setun | Nexus | |
| + | | | demoCMD | OS | |

- (2) 編集後、「Save」をクリック

Create Commandset

Name: demoCMD OS: IOS Filter: Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note: Save Cancel

1-3. コマンドセット削除

(1) 該当のコマンドセットをWクリックする

Command set

Main Diff Profile Command Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | OS | |

(2) [Delete]ボタンをクリック

Create Commandset

Name: demoCMD OS: iOS Filter:

Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |


Note:

Save Cancel

- (2) [Delete]ボタンをクリック

Create Commandset

NamedemoCMDOSIOSFilter

 Delete

| | |
|---------------------------|---------------------|
| Cmd001show running-config | Cmd002show ip route |
| Cmd003show standby brief | Cmd004show clock |
| Cmd005 | Cmd006 |
| Cmd007 | Cmd008 |
| Cmd009 | Cmd010 |
| Cmd011 | Cmd012 |
| Cmd013 | Cmd014 |
| Cmd015 | Cmd016 |
| Cmd017 | Cmd018 |
| Cmd019 | Cmd020 |
| Cmd021 | Cmd022 |
| Cmd023 | Cmd024 |
| Cmd025 | Cmd026 |
| Cmd027 | Cmd028 |
| Cmd029 | Cmd030 |
| Cmd031 | Cmd032 |
| Cmd033 | Cmd034 |
| Cmd035 | Cmd036 |
| Cmd037 | Cmd038 |
| Cmd039 | Cmd040 |

Note

☒ Save ☐ Cancel

1-4. 既存のコマンドセットをコピーして作成する

(1) コピー元とするコマンドセットの「+」ボタンをクリックすることで、新規コマンドをコピーで作成可

Command set

MainDiffProfileCommandRegister

NewCommandset

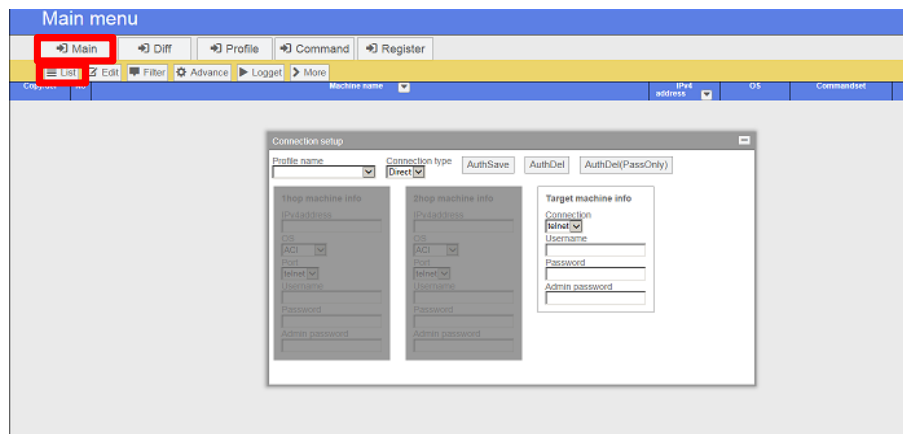
| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | IOS | |

Libra使用手順書

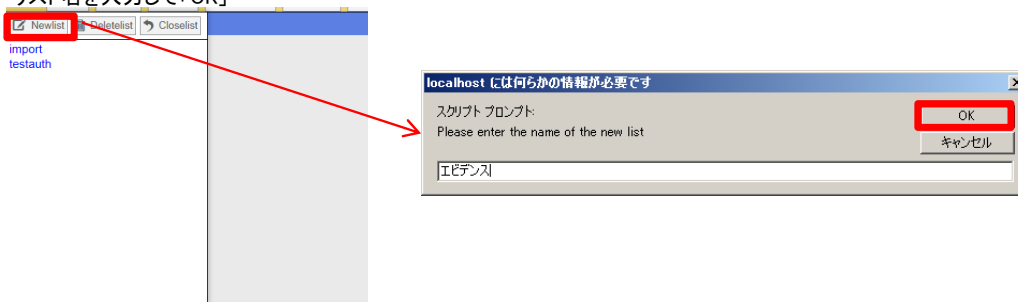
1.リストの編集

1-1. 新規リストの追加

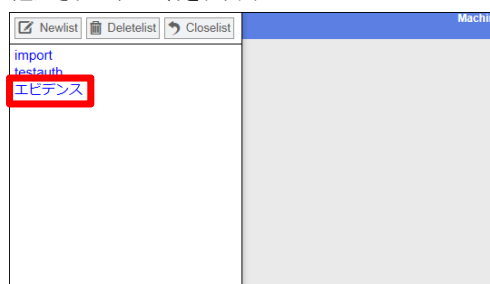
- (1) 「Main」ボタンを押し、Mainmenu画面を開く
「List」ボタンをクリック



- (2) 「Newlist」をクリック
リスト名を入力して「OK」

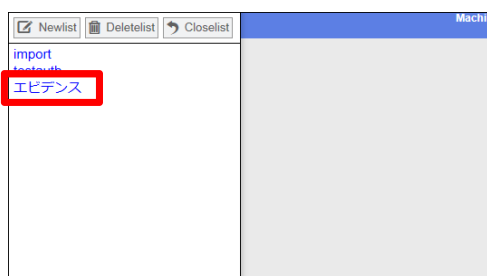


- (3) 追加されたリスト名をクリック

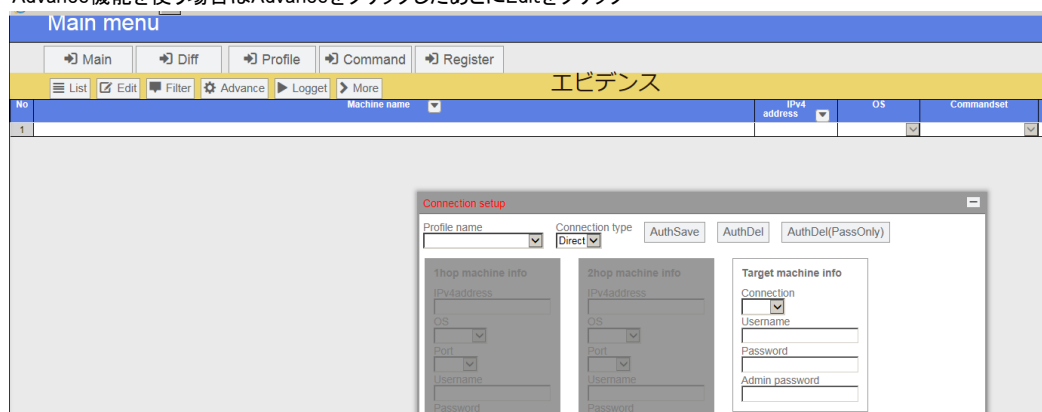


1-2. リストの編集

- (1) 該当のリストをクリックし、「Closelist」をクリック



- (2) 「Edit」をクリックし、Editモードに入る
Advance機能を使う場合はAdvanceをクリックしたあとにEditをクリック



- (3) 各項目を入力し、「Save」を押して保存する
行を追加/削除するには、Copy/delの「+」「-」を押す



Filter1~5: ブランク可
任意の値

Machinename: ブランク不可
リスト内で一意の値。
取得するログが保管される際のフォルダ名に使用する
フォルダ名に使用できない文字は指定できない

IPv4address: ブランク不可

OS: セレクトボックスから選択

Command: セレクトボックスから選択

Option: ブランク可能

- IOS.Nexusno場合にvrfに実行したいコマンドを設定できる

- ASAの場合、systemに実行するコマンド、contextに実行するコマンドをそれぞれに設定可能

LoginProfile(Advance): この行だけに適用するProfileを設定できる

RootFolder: この行だけ配置するフォルダ名をここで指定した場所へ変更する

1-3. リストのインポート

(1) インポートファイルの準備

【フォーマット】

フィルタ1,フィルタ2,フィルタ3,フィルタ4,フィルタ5,Machinename,Ippaddress,OS,Command,option,Loginprofile,Rootfolder
例)

fil1,fil2,fil3,fil4,fil5,host5,1.1.1.5,ASA,setup,system=>setup|context=>setup,setupprofile,test5

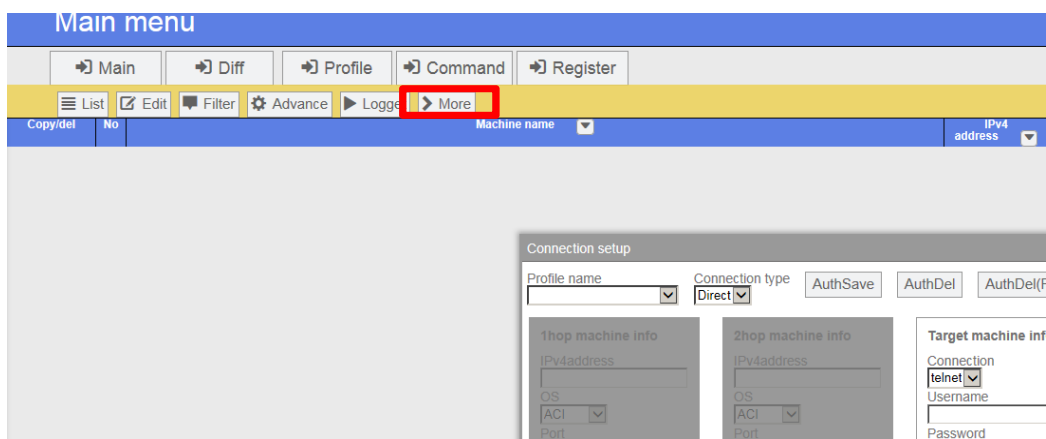
【ファイル名形式】

リスト名.csv

【配置場所】

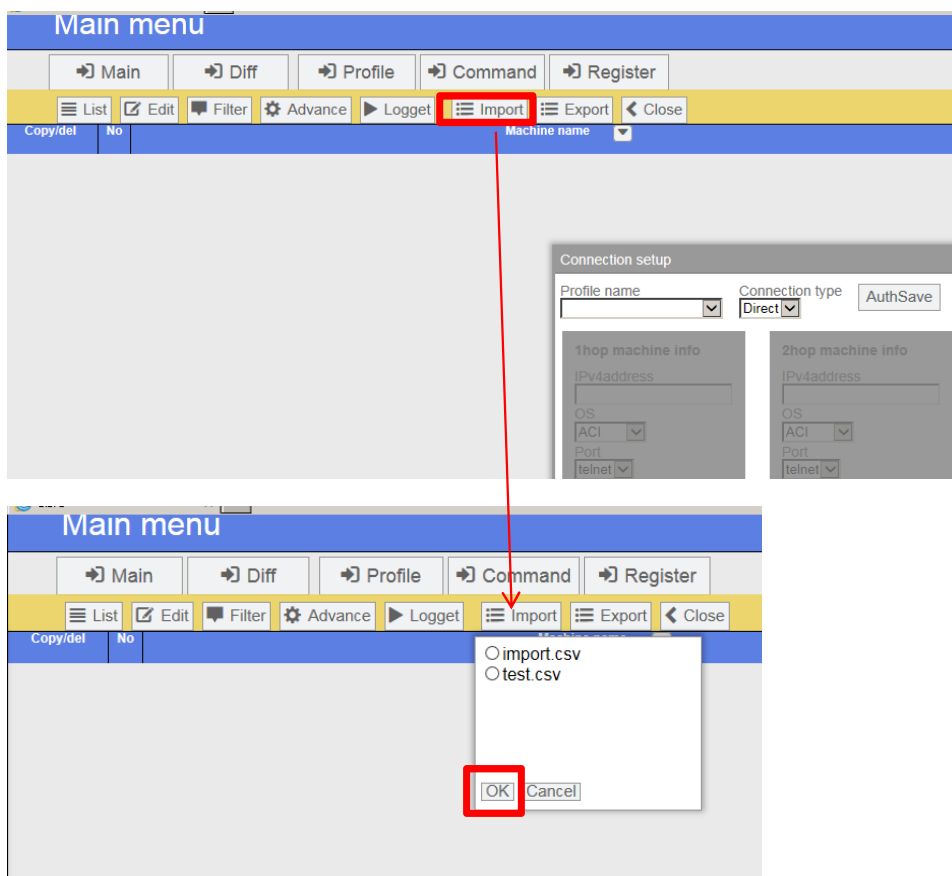
C:\C:\Libra\import\list\

(2) 「More」をクリック



(4) 「import」をクリック

C:\C:\Libra\import\list\に配置したファイルの一覧が開く
該当のリストを選択し「OK」

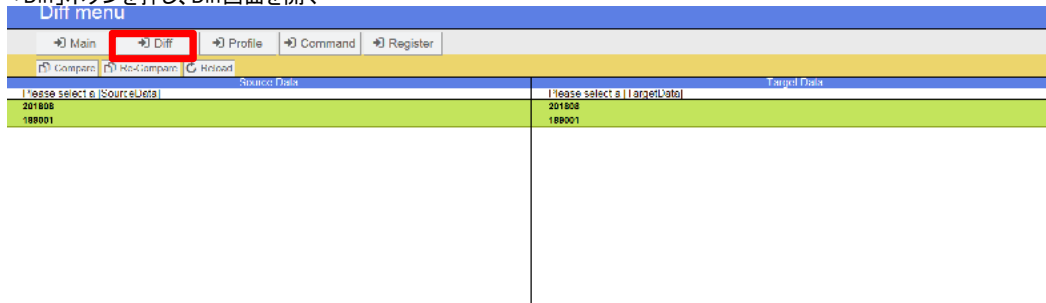


Libra使用手順書

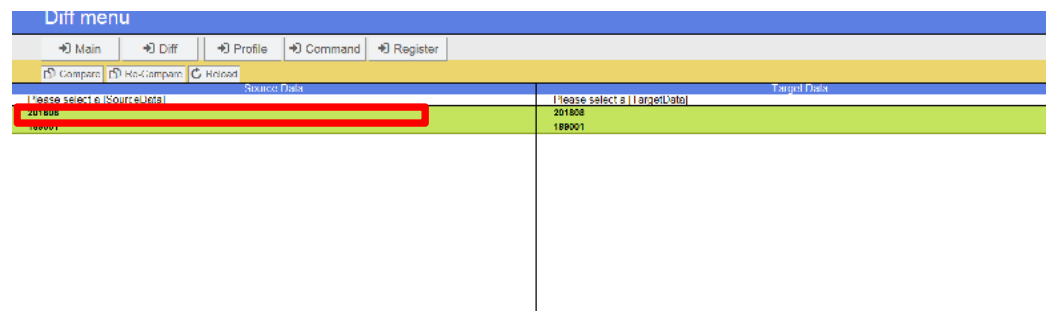
1.ログ比較

1-1. 比較対象の決定

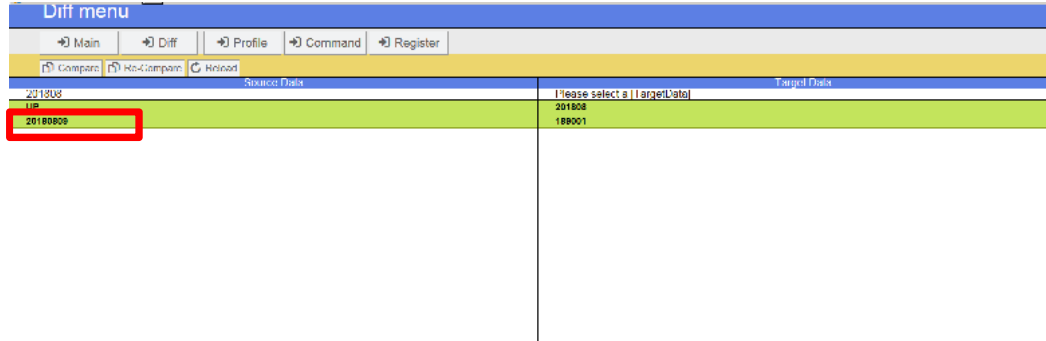
- (1) 「Diff」ボタンを押し、Diff画面を開く



- (2) 比較元フォルダの決定
対象の年月をWクリックする



・年月日をWクリックする



- ・対象ディレクトリ名をクリックして色が変わることを確認する
- ・選択したディレクトリと

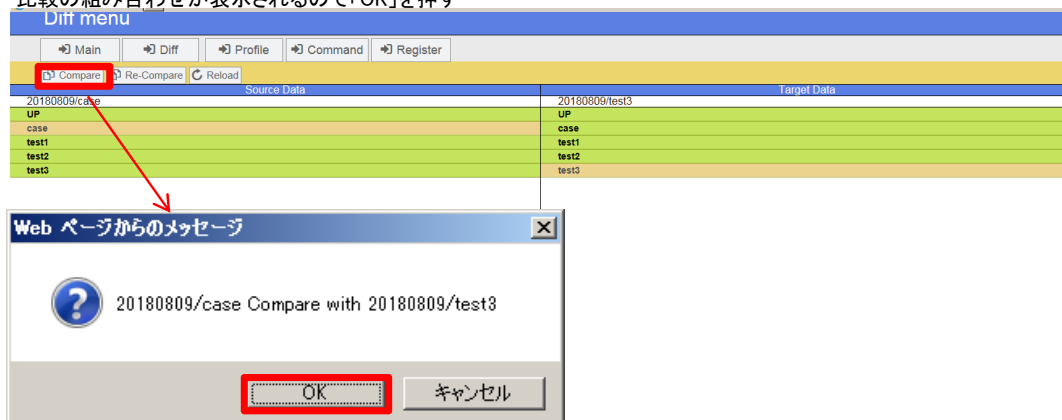
| Diff menu | |
|------------------------------------|------------------------------|
| Main Diff Profile Command Register | |
| Compare Re-Compare Reload | |
| Source Data | Target Data |
| 20180809/case | Please select a [TargetData] |
| case | 201808 |
| test1 | 189001 |
| test2 | |
| test3 | |

- ・右側のTarget Dataについても同様に選択する

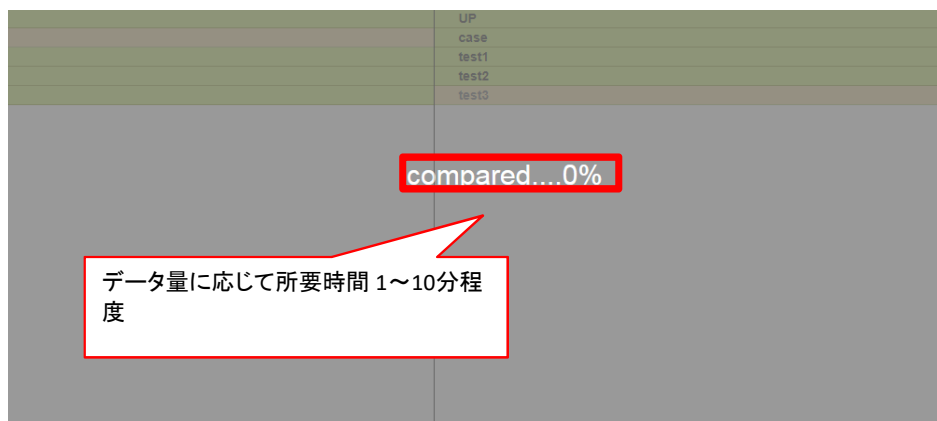
| Diff menu | |
|------------------------------------|----------------|
| Main Diff Profile Command Register | |
| Compare Re-Compare Reload | |
| Source Data | Target Data |
| 20180809/case | 20180809/test3 |
| UP | UP |
| case | case |
| test1 | test1 |
| test2 | test2 |
| test3 | test3 |

1-2. 比較実行

- (1) 「Compare」ボタンをクリック
比較の組み合わせが表示されるので「OK」を押す



- (2) 比較実施画面 終了後に別タブで結果画面が開く



1-3. 比較結果画面

(1) 画面例1

| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 | Cmd025 | Cmd026 | Cmd027 | Cmd028 |
| 1 | host1 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 2 | host2 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 3 | host3 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 4 | host4 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 5 | host5 | OK | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

result列: 対象機器で比較したコマンドの結果のサマリ。

OK : コマンド差分なし
NG : コマンド差分あり
! : 比較処理エラー

コマンド別の比較結果

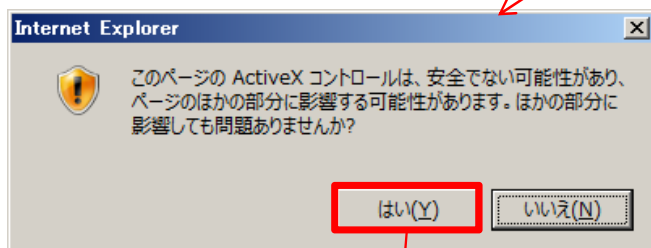
○ : 差分なし
× : 差分あり
N/A : 比較対象コマンドが取得できていない(ログがない)
- : 比較しない設定のコマンド
! : 比較処理で異常終了

(2) 画面例2

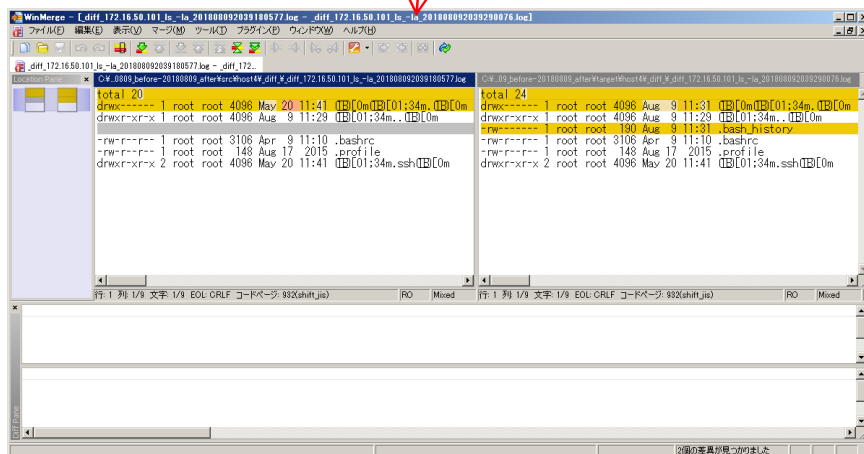
| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 |
| 1 | host1 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 2 | host2 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 3 | host3 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 4 | host4 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 5 | host5 | OK | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

比較結果が×のとき、該当セルで右クリックすることでwarningを発生させる

比較結果が×のとき、該当セルで右クリックすることでwinmergeを開くことができる



※間違えていいえを押した場合はF5で更新後にもういちど操作する



| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 | Cmd025 | Cmd026 | Cmd027 | Cmd028 |
| 1 | host1 | NG | ○ | × | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 2 | host2 | NG | ○ | × | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 3 | host3 | NG | ○ | × | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4 | host4 | NG | ○ | × | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 5 | host5 | OK | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

winmergeで確認した箇所は緑に変化する
※保存されないため、再度開いた場合は赤

winmergeで確認した箇所は緑に変化する
※保存されないため、再度開いた場合は赤色

1-4. 過去結果確認

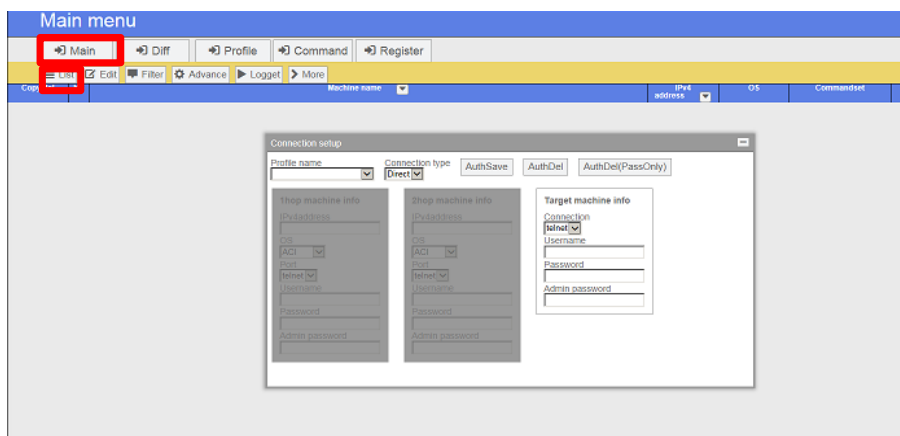
- (1) 過去の結果は下記ディレクトリに格納されている
「C:\Libra\logget\diffresult」
フォルダ内にあるHTMLを開くと再度比較結果を確認することができる

Libra使用手順書

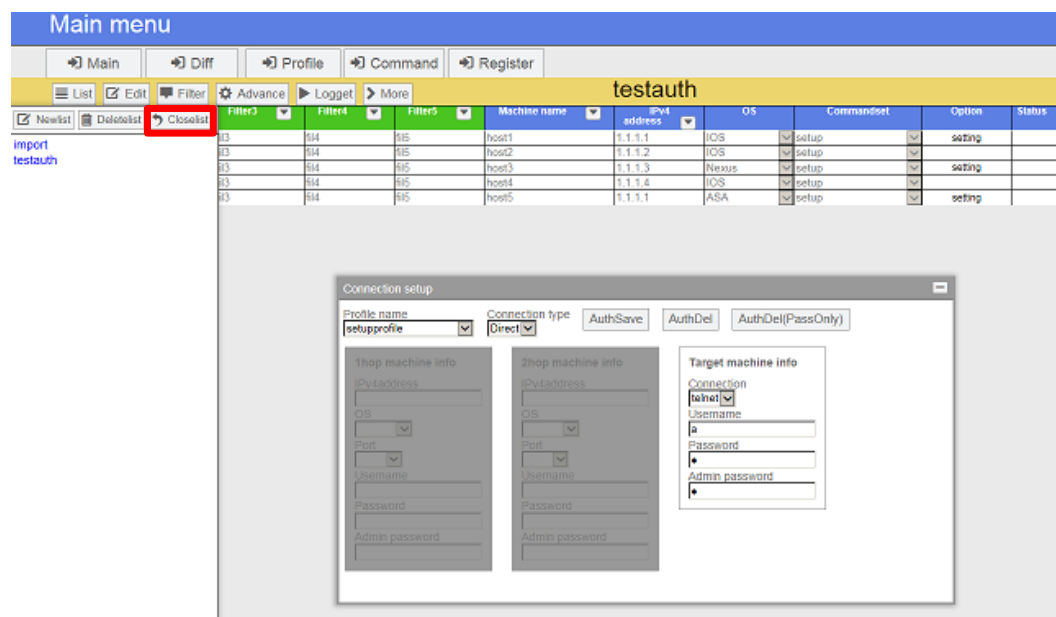
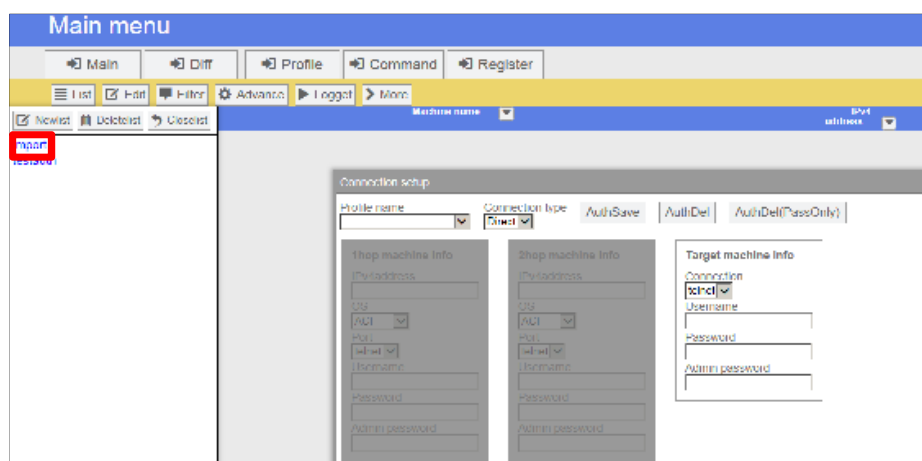
1.Libraからteratermの起動

1-1. 対象のリストを開く

- (1) 「Main」ボタンを押し、MainMenu画面を開く
「List」ボタンを押し、Listの一覧を開く

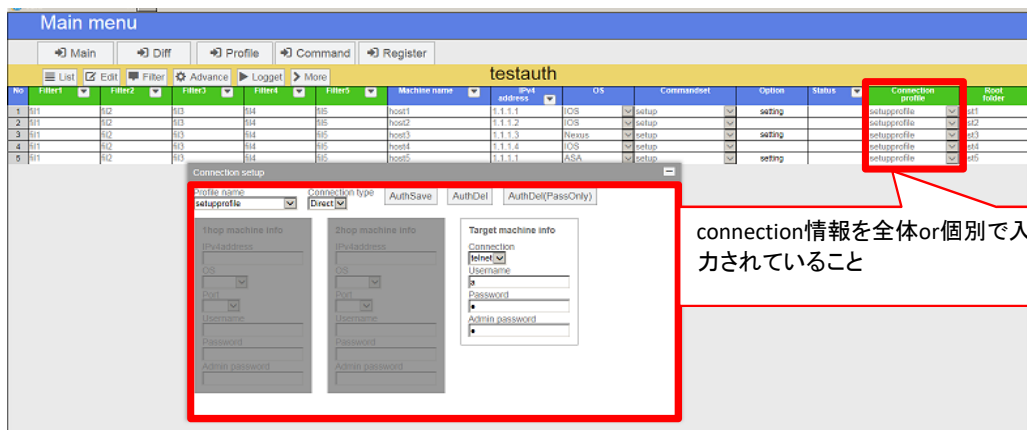


- (2) 実行対象のList名を押す
「CloseList」を押してリスト一覧を閉じる

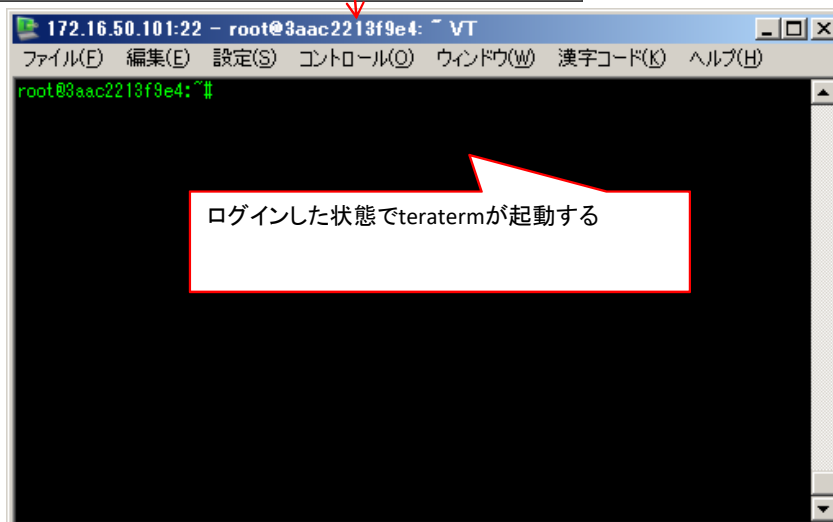
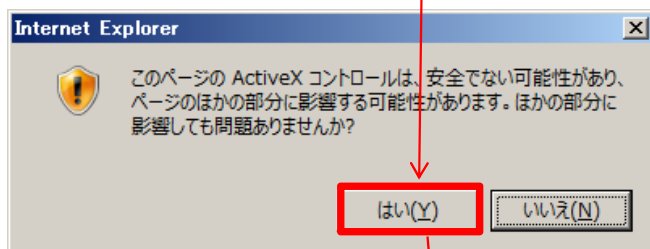
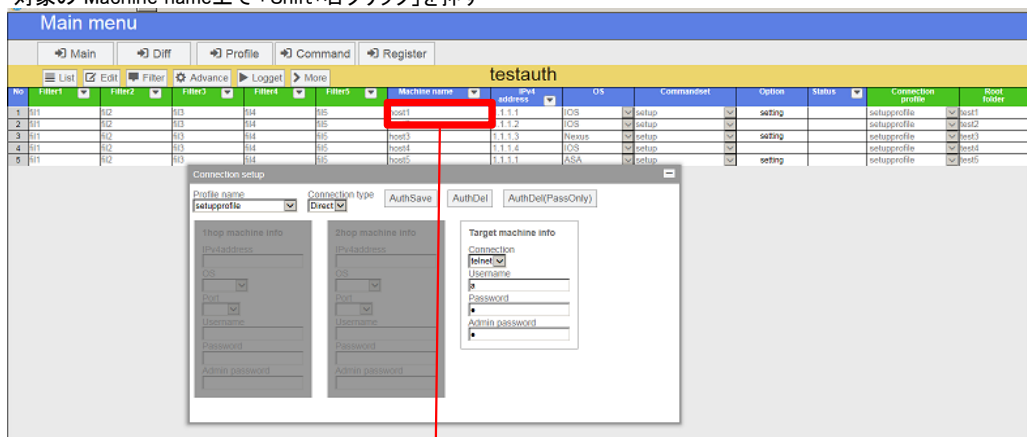


1-2. 対象機器でteraterm起動

(1) いずれかのProfileが入力されていること



(2) 対象の Machine name上で「Shift+右クリック」を押す



1-3. 操作ログの確認

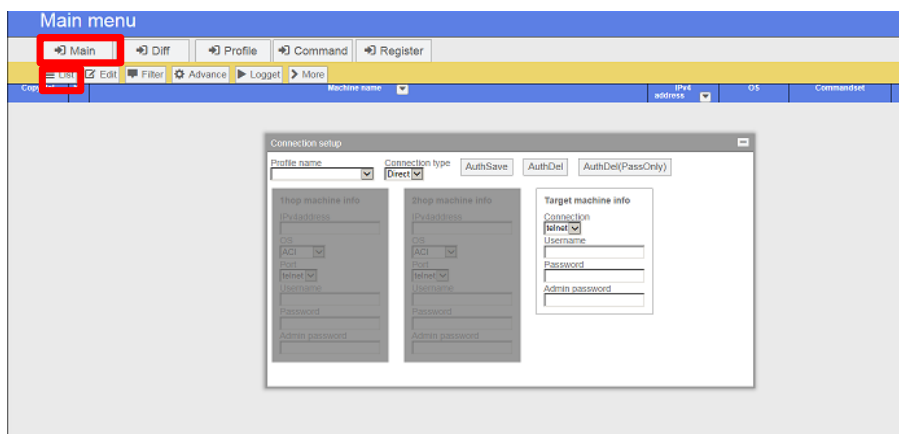
- (1) この機能で起動したteraterm内の実行コマンドは下記にログとして出力される
C:¥Libra¥access¥

Libra使用手順書

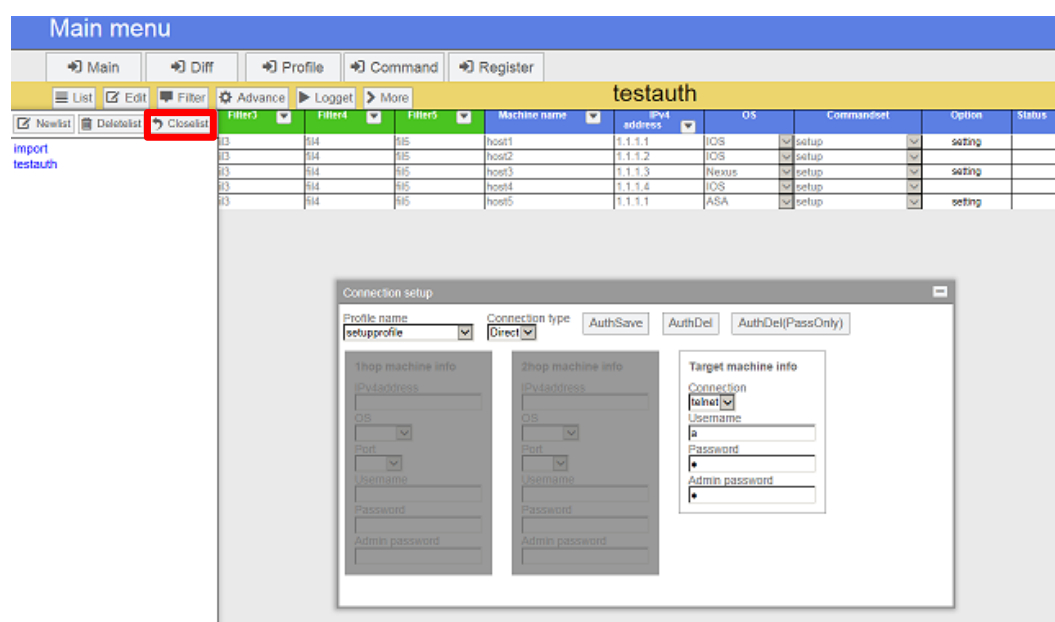
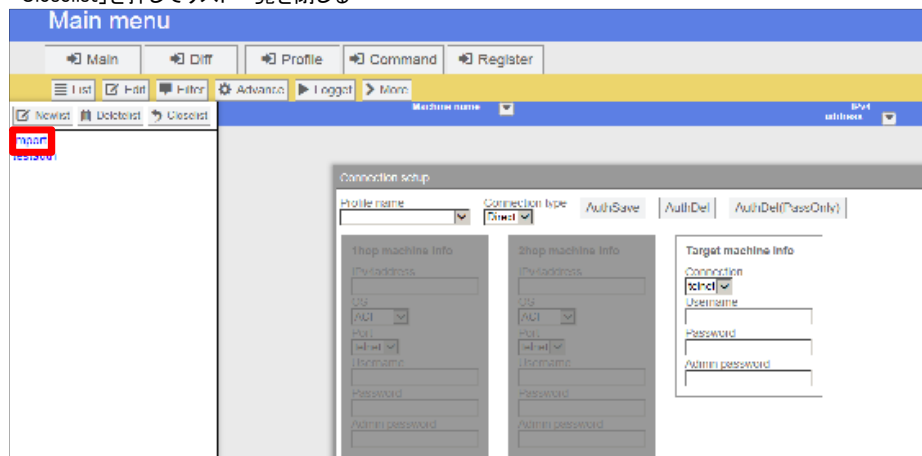
1.ログ取得実行

1-1. 対象のリストを開く

- (1) 「Main」ボタンを押し、MainMenu画面を開く
「List」ボタンを押し、Listの一覧を開く



- (2) 実行対象のList名を押す
「Closelist」を押してリスト一覧を閉じる

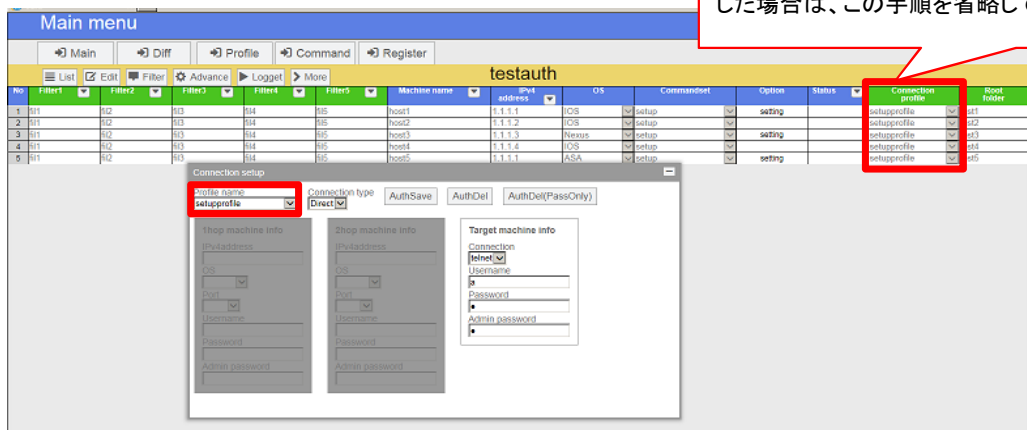


1-2. 認証情報の入力

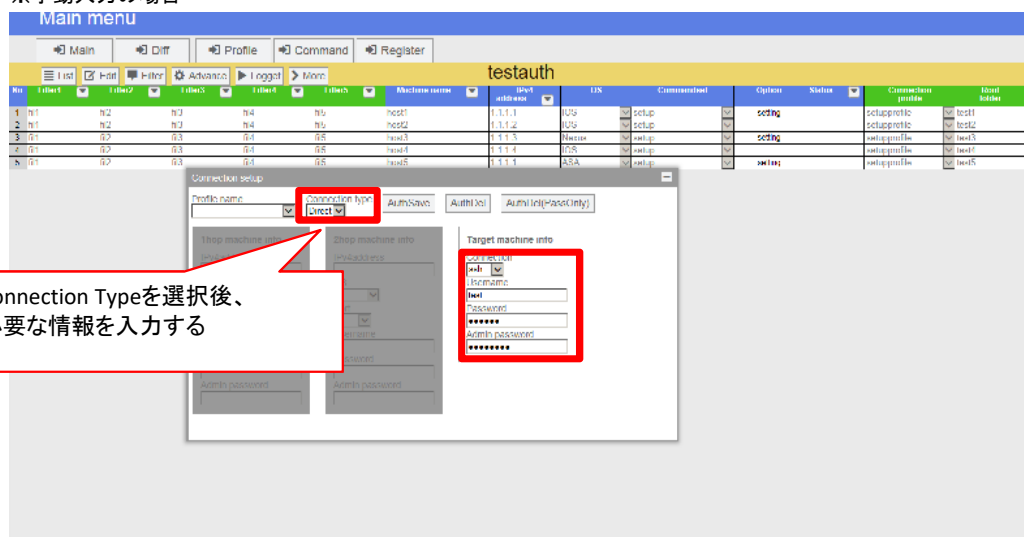
(1) ※Profileを使う場合

Profile nameから該当のProfileを設定する

※ConnectionProfileをすべて入力した場合は、この手順を省略してよ



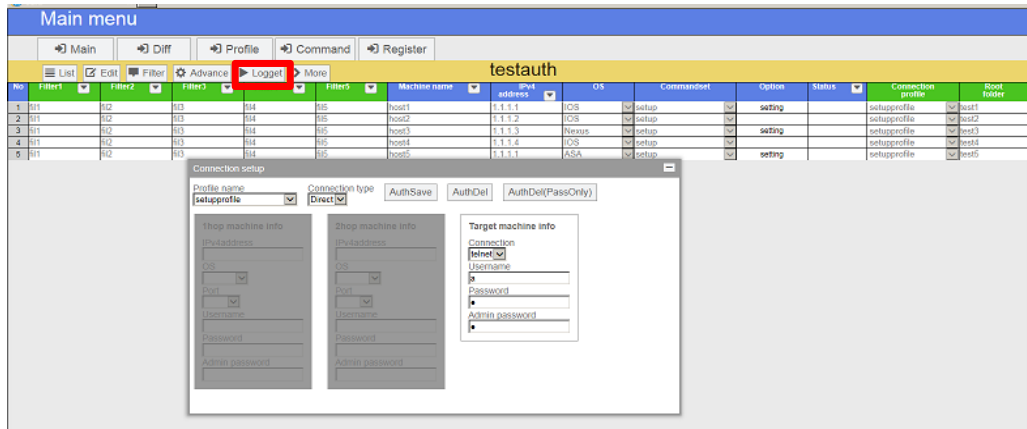
※手動入力の場合



Connection Typeを選択後、
必要な情報を入力する

1-3. LOGGETの実行

- (1) 「Logget」ボタンを押す

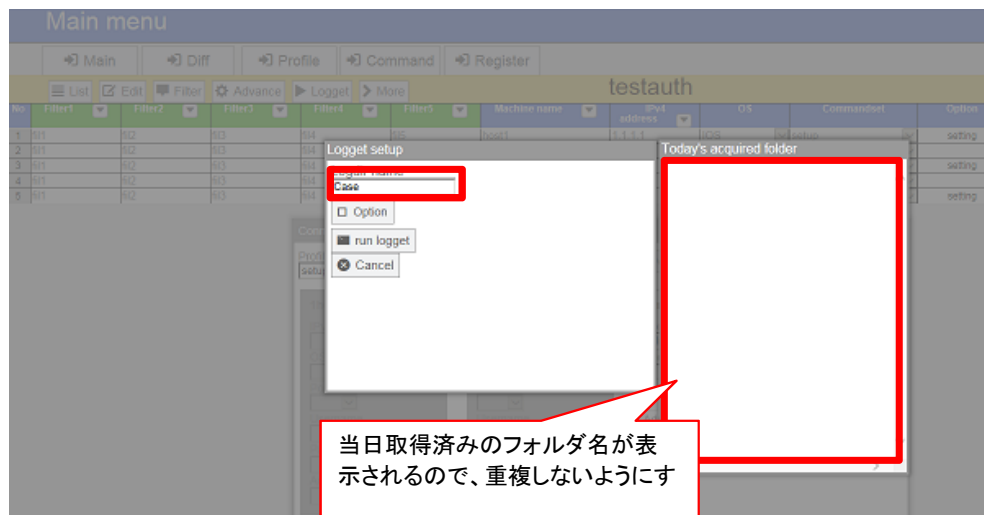


- (2) 「Logdir Name」にフォルダ名を入力する

※ここで決めたフォルダ名は、取得したログを配置するディレクトリ名に使われる

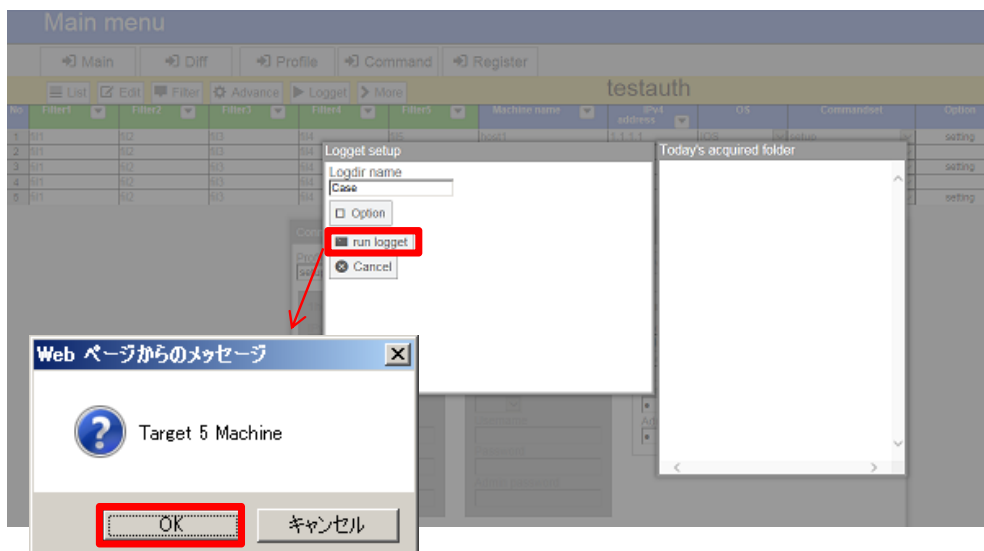
例) 「H0GE」とした場合

C:\¥Libra¥logget¥<YYYYMMDD>¥**H0GE**¥cmd... log

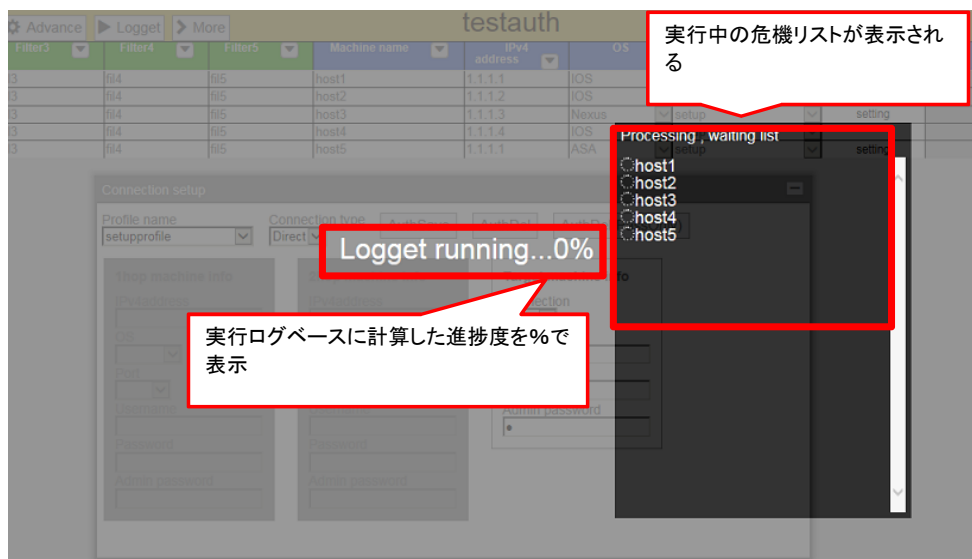


当日取得済みのフォルダ名が表示されるので、重複しないようにす

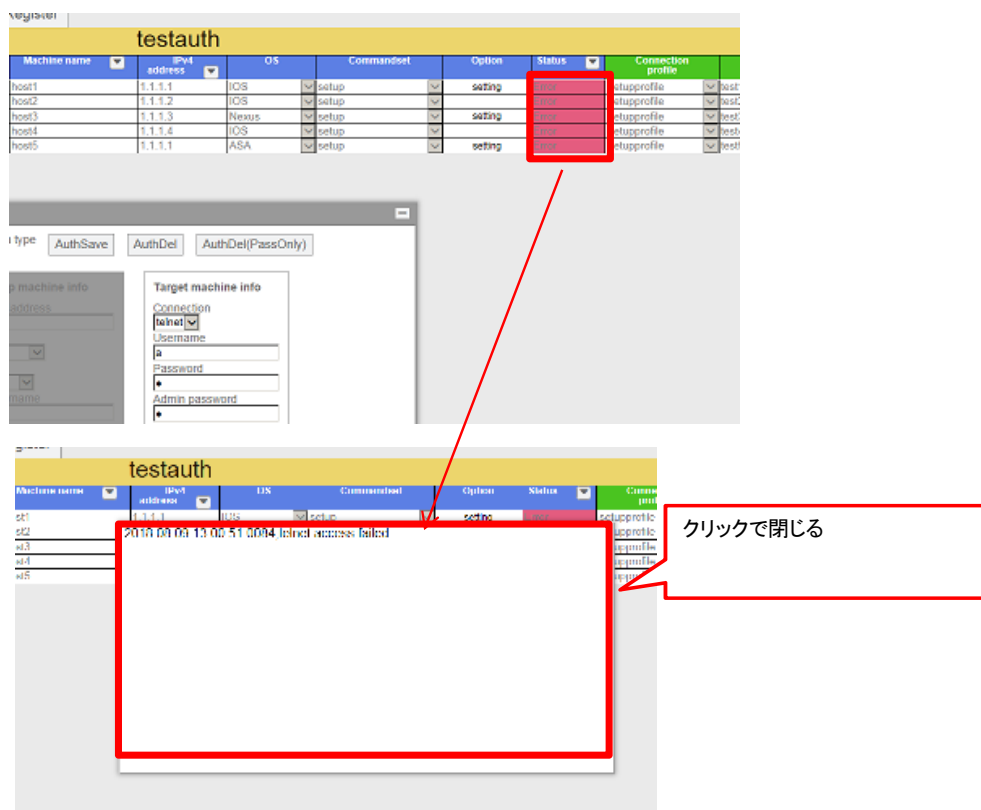
- (3) 「run logget」ボタンを押すとポップアップで実行対象数が表示されるため、確認後、「OK」を押す



- (4) Loggetが実行される。
 実行が終了するまで待つ
 終了後ポップアップが表示されるので確認後「OK」を押す
 ログ取得に何かのエラーがある場合はエラー件数が表示される



- (5) 実行結果がStatus列に表示される
 「Error」、「Warning」の場合は、クリックで事由が表示される



1-4. 取得したログの確認

(1) ログの出力先はRootfolderの指定によって異なる

・フォルダを指定していない場合は「C:\Libra\logget\<YYYYMMDD>\<フォルダ名>」配下に格納される

| testauth | | | | | | | |
|--------------|-------|------------|---------|--------|--------------------|-------------|--|
| IPv4 address | OS | Commandset | Option | Status | Connection profile | Root folder | |
| 1.1.1.1 | IOS | setup | setting | Error | setupprofile | test1 | |
| 1.1.1.2 | IOS | setup | setting | Error | setupprofile | test2 | |
| 1.1.1.3 | Nexus | setup | setting | Error | setupprofile | test3 | |
| 1.1.1.4 | IOS | setup | setting | Error | setupprofile | | |
| 1.1.1.1 | ASA | setup | setting | Error | setupprofile | | |

| ター > Windows7_OS (C:) > Libra > logget > 20180809 > case > | |
|--|------------------|
| 共有 | 新しいフォルダー |
| 名前 | 更新日時 |
| host4 | 2018/08/09 14:21 |
| host5 | 2018/08/09 14:21 |

・フォルダを指定している場合は「C:\Libra\logget\<YYYYMMDD>\<フォルダ名>」配下に格納される

| testauth | | | | | | | |
|--------------|-------|------------|---------|--------|--------------------|-------------|--|
| IPv4 address | OS | Commandset | Option | Status | Connection profile | Root folder | |
| 1.1.1.1 | IOS | setup | setting | Error | setupprofile | test1 | |
| 1.1.1.2 | IOS | setup | setting | Error | setupprofile | test2 | |
| 1.1.1.3 | Nexus | setup | setting | Error | setupprofile | test3 | |
| 1.1.1.4 | IOS | setup | setting | Error | setupprofile | | |
| 1.1.1.1 | ASA | setup | setting | Error | setupprofile | | |

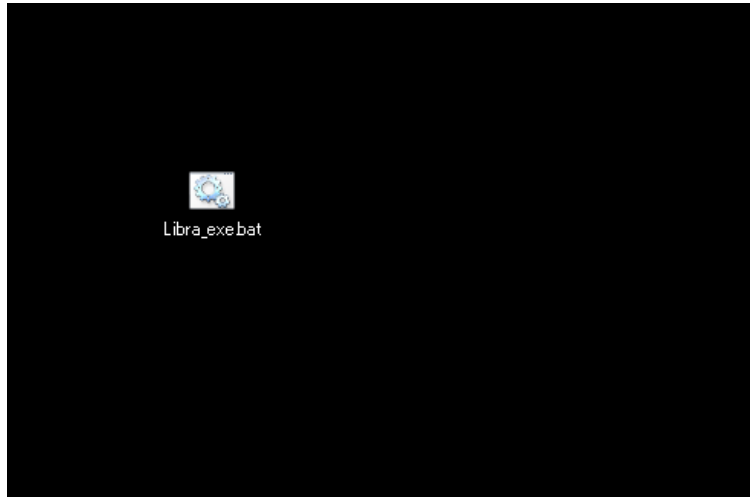
A screenshot of a Windows Explorer window. The address bar at the top shows the path: > コンピューター > Windows7_OS (C:) > Libra > logget > 20180809. Below the address bar, there are buttons for 'グラフィック追加', '共有', and '新しいフォルダー'. The main area displays a list of files and folders. The list has three columns: '名前' (Name), '更新日時' (Last Modified), and '種類' (Type). The files listed are 'case', 'test1', 'test2', 'test3', and '20180809_result'. A red arrow points to the 'test2' file. The file '20180809_result' is a text file, while the others are folders or files. The left sidebar shows 'このコンピュータ' (This Computer) and '最近の場所' (Recent Places) sections.

Libra使用手順書

1.ログイン

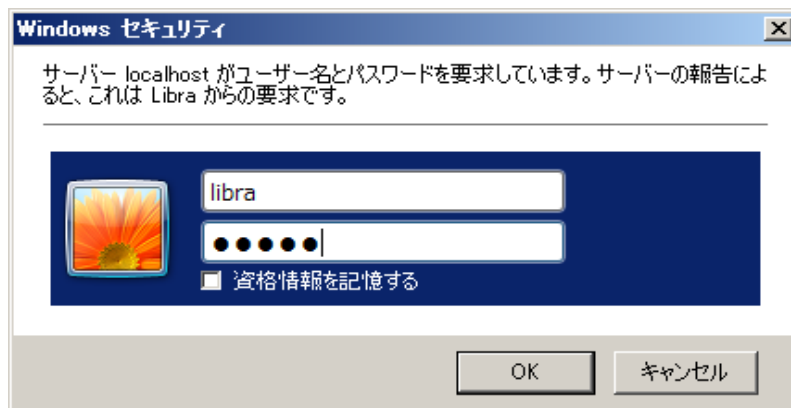
1-1. ログイン

- (1) デスクトップのLibra_exe.batをWクリックで起動する



- (2) ユーザIDとパスワードを入力し、OKをクリックする
※データ読み込み先の数により、最大3回認証が求められる

ユーザID/パスワード
libra/libra



1-3. 操作ログの確認

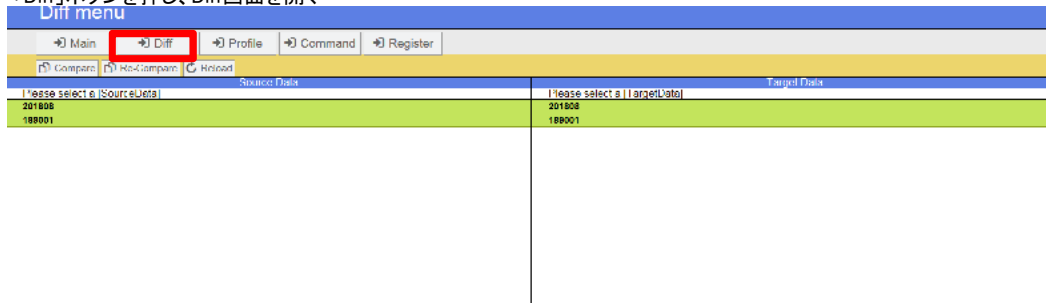
- (1) この機能で起動したteraterm内の実行コマンドは下記にログとして出力される
C:¥Libra¥access¥

Libra使用手順書

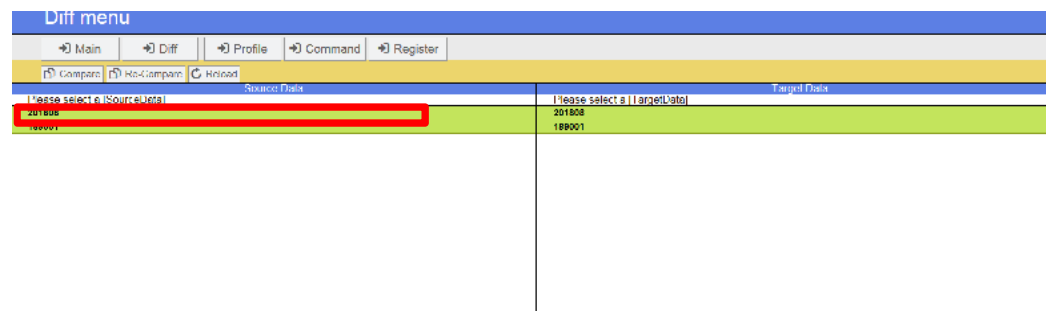
1.ログ比較

1-1. 比較対象の決定

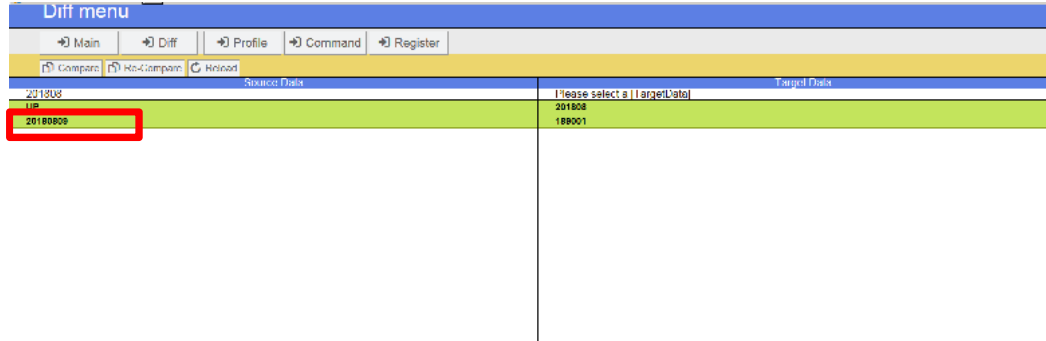
- (1) 「Diff」ボタンを押し、Diff画面を開く



- (2) 比較元フォルダの決定
対象の年月をWクリックする



・年月日をWクリックする



- ・対象ディレクトリ名をクリックして色が変わることを確認する
- ・選択したディレクトリと

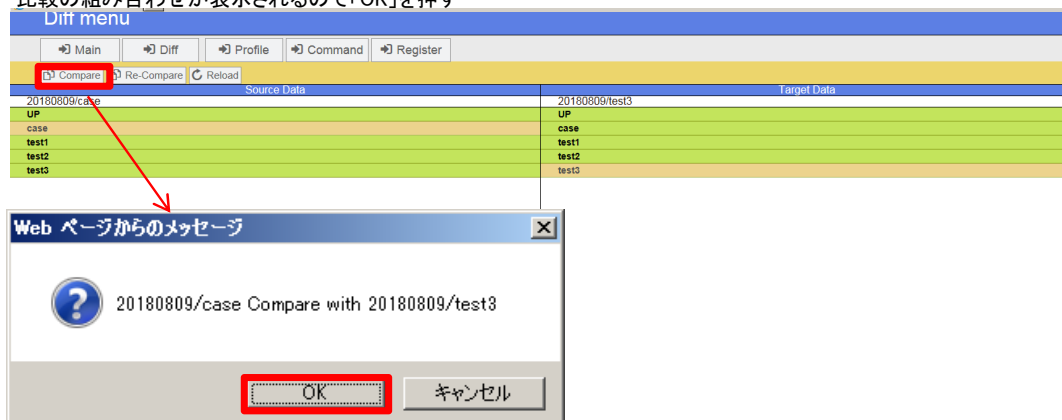
| Diff menu | |
|------------------------------------|------------------------------|
| Main Diff Profile Command Register | |
| Compare Re-Compare Reload | |
| Source Data | Target Data |
| 20180809/case | Please select a [TargetData] |
| case | 201808 |
| test1 | 189001 |
| test2 | |
| test3 | |

- ・右側のTarget Dataについても同様に選択する

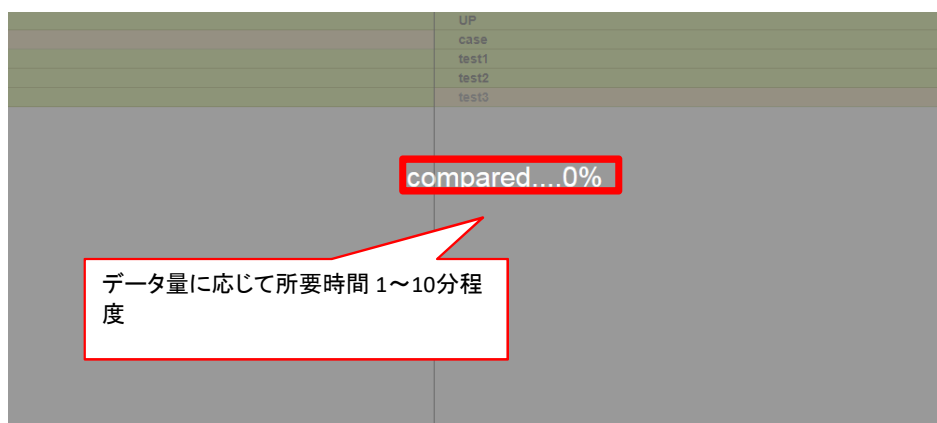
| Diff menu | |
|------------------------------------|----------------|
| Main Diff Profile Command Register | |
| Compare Re-Compare Reload | |
| Source Data | Target Data |
| 20180809/case | 20180809/test3 |
| UP | UP |
| case | case |
| test1 | test1 |
| test2 | test2 |
| test3 | test3 |

1-2. 比較実行

- (1) 「Compare」ボタンをクリック
比較の組み合わせが表示されるので「OK」を押す



- (2) 比較実施画面 終了後に別タブで結果画面が開く



1-3. 比較結果画面

(1) 画面例1

| | | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 | Cmd025 | Cmd026 | Cmd027 | Cmd028 | Cmd029 | Cmd030 | Cmd031 | Cmd032 | Cmd033 | Cmd034 | Cmd035 | Cmd036 | Cmd037 | Cmd038 | Cmd039 | Cmd040 | Cmd041 | Cmd042 | Cmd043 | Cmd044 | Cmd045 | Cmd046 | Cmd047 | Cmd048 | Cmd049 | Cmd050 | Cmd051 | Cmd052 | Cmd053 | Cmd054 | Cmd055 | Cmd056 | Cmd057 | Cmd058 | Cmd059 | Cmd060 | Cmd061 | Cmd062 | Cmd063 | Cmd064 | Cmd065 | Cmd066 | Cmd067 | Cmd068 | Cmd069 | Cmd070 | Cmd071 | Cmd072 | Cmd073 | Cmd074 | Cmd075 | Cmd076 | Cmd077 | Cmd078 | Cmd079 | Cmd080 | Cmd081 | Cmd082 | Cmd083 | Cmd084 | Cmd085 | Cmd086 | Cmd087 | Cmd088 | Cmd089 | Cmd090 | Cmd091 | Cmd092 | Cmd093 | Cmd094 | Cmd095 | Cmd096 | Cmd097 | Cmd098 | Cmd099 | Cmd100 | Cmd101 | Cmd102 | Cmd103 | Cmd104 | Cmd105 | Cmd106 | Cmd107 | Cmd108 | Cmd109 | Cmd110 | Cmd111 | Cmd112 | Cmd113 | Cmd114 | Cmd115 | Cmd116 | Cmd117 | Cmd118 | Cmd119 | Cmd120 | Cmd121 | Cmd122 | Cmd123 | Cmd124 | Cmd125 | Cmd126 | Cmd127 | Cmd128 | Cmd129 | Cmd130 | Cmd131 | Cmd132 | Cmd133 | Cmd134 | Cmd135 | Cmd136 | Cmd137 | Cmd138 | Cmd139 | Cmd140 | Cmd141 | Cmd142 | Cmd143 | Cmd144 | Cmd145 | Cmd146 | Cmd147 | Cmd148 | Cmd149 | Cmd150 | Cmd151 | Cmd152 | Cmd153 | Cmd154 | Cmd155 | Cmd156 | Cmd157 | Cmd158 | Cmd159 | Cmd160 | Cmd161 | Cmd162 | Cmd163 | Cmd164 | Cmd165 | Cmd166 | Cmd167 | Cmd168 | Cmd169 | Cmd170 | Cmd171 | Cmd172 | Cmd173 | Cmd174 | Cmd175 | Cmd176 | Cmd177 | Cmd178 | Cmd179 | Cmd180 | Cmd181 | Cmd182 | Cmd183 | Cmd184 | Cmd185 | Cmd186 | Cmd187 | Cmd188 | Cmd189 | Cmd190 | Cmd191 | Cmd192 | Cmd193 | Cmd194 | Cmd195 | Cmd196 | Cmd197 | Cmd198 | Cmd199 | Cmd200 | Cmd201 | Cmd202 | Cmd203 | Cmd204 | Cmd205 | Cmd206 | Cmd207 | Cmd208 | Cmd209 | Cmd210 | Cmd211 | Cmd212 | Cmd213 | Cmd214 | Cmd215 | Cmd216 | Cmd217 | Cmd218 | Cmd219 | Cmd220 | Cmd221 | Cmd222 | Cmd223 | Cmd224 | Cmd225 | Cmd226 | Cmd227 | Cmd228 | Cmd229 | Cmd230 | Cmd231 | Cmd232 | Cmd233 | Cmd234 | Cmd235 | Cmd236 | Cmd237 | Cmd238 | Cmd239 | Cmd240 | Cmd241 | Cmd242 | Cmd243 | Cmd244 | Cmd245 | Cmd246 | Cmd247 | Cmd248 | Cmd249 | Cmd250 | Cmd251 | Cmd252 | Cmd253 | Cmd254 | Cmd255 | Cmd256 | Cmd257 | Cmd258 | Cmd259 | Cmd260 | Cmd261 | Cmd262 | Cmd263 | Cmd264 | Cmd265 | Cmd266 | Cmd267 | Cmd268 | Cmd269 | Cmd270 | Cmd271 | Cmd272 | Cmd273 | Cmd274 | Cmd275 | Cmd276 | Cmd277 | Cmd278 | Cmd279 | Cmd280 | Cmd281 | Cmd282 | Cmd283 | Cmd284 | Cmd285 | Cmd286 | Cmd287 | Cmd288 | Cmd289 | Cmd290 | Cmd291 | Cmd292 | Cmd293 | Cmd294 | Cmd295 | Cmd296 | Cmd297 | Cmd298 | Cmd299 | Cmd300 | Cmd301 | Cmd302 | Cmd303 | Cmd304 | Cmd305 | Cmd306 | Cmd307 | Cmd308 | Cmd309 | Cmd310 | Cmd311 | Cmd312 | Cmd313 | Cmd314 | Cmd315 | Cmd316 | Cmd317 | Cmd318 | Cmd319 | Cmd320 | Cmd321 | Cmd322 | Cmd323 | Cmd324 | Cmd325 | Cmd326 | Cmd327 | Cmd328 | Cmd329 | Cmd330 | Cmd331 | Cmd332 | Cmd333 | Cmd334 | Cmd335 | Cmd336 | Cmd337 | Cmd338 | Cmd339 | Cmd340 | Cmd341 | Cmd342 | Cmd343 | Cmd344 | Cmd345 | Cmd346 | Cmd347 | Cmd348 | Cmd349 | Cmd350 | Cmd351 | Cmd352 | Cmd353 | Cmd354 | Cmd355 | Cmd356 | Cmd357 | Cmd358 | Cmd359 | Cmd360 | Cmd361 | Cmd362 | Cmd363 | Cmd364 | Cmd365 | Cmd366 | Cmd367 | Cmd368 | Cmd369 | Cmd370 | Cmd371 | Cmd372 | Cmd373 | Cmd374 | Cmd375 | Cmd376 | Cmd377 | Cmd378 | Cmd379 | Cmd380 | Cmd381 | Cmd382 | Cmd383 | Cmd384 | Cmd385 | Cmd386 | Cmd387 | Cmd388 | Cmd389 | Cmd390 | Cmd391 | Cmd392 | Cmd393 | Cmd394 | Cmd395 | Cmd396 | Cmd397 | Cmd398 | Cmd399 | Cmd400 | Cmd401 | Cmd402 | Cmd403 | Cmd404 | Cmd405 | Cmd406 | Cmd407 | Cmd408 | Cmd409 | Cmd410 | Cmd411 | Cmd412 | Cmd413 | Cmd414 | Cmd415 | Cmd416 | Cmd417 | Cmd418 | Cmd419 | Cmd420 | Cmd421 | Cmd422 | Cmd423 | Cmd424 | Cmd425 | Cmd426 | Cmd427 | Cmd428 | Cmd429 | Cmd430 | Cmd431 | Cmd432 | Cmd433 | Cmd434 | Cmd435 | Cmd436 | Cmd437 | Cmd438 | Cmd439 | Cmd440 | Cmd441 | Cmd442 | Cmd443 | Cmd444 | Cmd445 | Cmd446 | Cmd447 | Cmd448 | Cmd449 | Cmd450 | Cmd451 | Cmd452 | Cmd453 | Cmd454 | Cmd455 | Cmd456 | Cmd457 | Cmd458 | Cmd459 | Cmd460 | Cmd461 | Cmd462 | Cmd463 | Cmd464 | Cmd465 | Cmd466 | Cmd467 | Cmd468 | Cmd469 | Cmd470 | Cmd471 | Cmd472 | Cmd473 | Cmd474 | Cmd475 | Cmd476 | Cmd477 | Cmd478 | Cmd479 | Cmd480 | Cmd481 | Cmd482 | Cmd483 | Cmd484 | Cmd485 | Cmd486 | Cmd487 | Cmd488 | Cmd489 | Cmd490 | Cmd491 | Cmd492 | Cmd493 | Cmd494 | Cmd495 | Cmd496 | Cmd497 | Cmd498 | Cmd499 | Cmd500 | Cmd501 | Cmd502 | Cmd503 | Cmd504 | Cmd505 | Cmd506 | Cmd507 | Cmd508 | Cmd509 | Cmd510 | Cmd511 | Cmd512 | Cmd513 | Cmd514 | Cmd515 | Cmd516 | Cmd517 | Cmd518 | Cmd519 | Cmd520 | Cmd521 | Cmd522 | Cmd523 | Cmd524 | Cmd525 | Cmd526 | Cmd527 | Cmd528 | Cmd529 | Cmd530 | Cmd531 | Cmd532 | Cmd533 | Cmd534 | Cmd535 | Cmd536 | Cmd537 | Cmd538 | Cmd539 | Cmd540 | Cmd541 | Cmd542 | Cmd543 | Cmd544 | Cmd545 | Cmd546 | Cmd547 | Cmd548 | Cmd549 | Cmd550 | Cmd551 | Cmd552 | Cmd553 | Cmd554 | Cmd555 | Cmd556 | Cmd557 | Cmd558 | Cmd559 | Cmd560 | Cmd561 | Cmd562 | Cmd563 | Cmd564 | Cmd565 | Cmd566 | Cmd567 | Cmd568 | Cmd569 | Cmd570 | Cmd571 | Cmd572 | Cmd573 | Cmd574 | Cmd575 | Cmd576 | Cmd577 | Cmd578 | Cmd579 | Cmd580 | Cmd581 | Cmd582 | Cmd583 | Cmd584 | Cmd585 | Cmd586 | Cmd587 | Cmd588 | Cmd589 | Cmd590 | Cmd591 | Cmd592 | Cmd593 | Cmd594 | Cmd595 | Cmd596 | Cmd597 | Cmd598 | Cmd599 | Cmd600 | Cmd601 | Cmd602 | Cmd603 | Cmd604 | Cmd605 | Cmd606 | Cmd607 | Cmd608 | Cmd609 | Cmd610 | Cmd611 | Cmd612 | Cmd613 | Cmd614 | Cmd615 | Cmd616 | Cmd617 | Cmd618 | Cmd619 | Cmd620 | Cmd621 | Cmd622 | Cmd623 | Cmd624 | Cmd625 | Cmd626 | Cmd627 | Cmd628 | Cmd629 | Cmd630 | Cmd631 | Cmd632 | Cmd633 | Cmd634 | Cmd635 | Cmd636 | Cmd637 | Cmd638 | Cmd639 | Cmd640 | Cmd641 | Cmd642 | Cmd643 | Cmd644 | Cmd645 | Cmd646 | Cmd647 | Cmd648 | Cmd649 | Cmd650 | Cmd651 | Cmd652 | Cmd653 | Cmd654 | Cmd655 | Cmd656 | Cmd657 | Cmd658 | Cmd659 | Cmd660 | Cmd661 | Cmd662 | Cmd663 | Cmd664 | Cmd665 | Cmd666 | Cmd667 | Cmd668 | Cmd669 | Cmd670 | Cmd671 | Cmd672 | Cmd673 | Cmd674 | Cmd675 | Cmd676 | Cmd677 | Cmd678 | Cmd679 | Cmd680 | Cmd681 | Cmd682 | Cmd683 | Cmd684 | Cmd685 | Cmd686 | Cmd687 | Cmd688 | Cmd689 | Cmd690 | Cmd691 | Cmd692 | Cmd693 | Cmd694 | Cmd695 | Cmd696 | Cmd697 | Cmd698 | Cmd699 | Cmd700 | Cmd701 | Cmd702 | Cmd703 | Cmd704 | Cmd705 | Cmd706 | Cmd707 | Cmd708 | Cmd709 | Cmd710 | Cmd711 | Cmd712 | Cmd713 | Cmd714 | Cmd715 | Cmd716 | Cmd717 | Cmd718 | Cmd719 | Cmd720 | Cmd721 | Cmd722 | Cmd723 | Cmd724 | Cmd725 | Cmd726 | Cmd727 | Cmd728 | Cmd729 | Cmd730 | Cmd731 | Cmd732 | Cmd733 | Cmd734 | Cmd735 | Cmd736 | Cmd737 | Cmd738 | Cmd739 | Cmd740 | Cmd741 | Cmd742 | Cmd743 | Cmd744 | Cmd745 | Cmd746 | Cmd747 | Cmd748 | Cmd749 | Cmd750 | Cmd751 | Cmd752 | Cmd753 | Cmd754 | Cmd755 | Cmd756 | Cmd757 | Cmd758 | Cmd759 | Cmd760 | Cmd761 | Cmd762 | Cmd763 | Cmd764 | Cmd765 | Cmd766 | Cmd767 | Cmd768 | Cmd769 | Cmd770 | Cmd771 | Cmd772 | Cmd773 | Cmd774 | Cmd775 | Cmd776 | Cmd777 | Cmd778 | Cmd779 | Cmd780 | Cmd781 | Cmd782 | Cmd783 | Cmd784 | Cmd785 | Cmd786 | Cmd787 | Cmd788 | Cmd789 | Cmd790 | Cmd791 | Cmd792 | Cmd793 | Cmd794 | Cmd795 | Cmd796 | Cmd797 | Cmd798 | Cmd799 | Cmd800 | Cmd801 | Cmd802 | Cmd803 | Cmd804 | Cmd805 | Cmd806 | Cmd807 | Cmd808 | Cmd809 | Cmd810 | Cmd811 | Cmd812 | Cmd813 | Cmd814 | Cmd815 | Cmd816 | Cmd817 | Cmd818 | Cmd819 | Cmd820 | Cmd821 | Cmd822 | Cmd823 | Cmd824 | Cmd825 | Cmd826 | Cmd827 | Cmd828 | Cmd829 | Cmd830 | Cmd831 | Cmd832 | Cmd833 | Cmd834 | Cmd835 | Cmd836 | Cmd837 | Cmd838 | Cmd839 | Cmd840 | Cmd841 | Cmd842 | Cmd843 | Cmd844 | Cmd845 | Cmd846 | Cmd847 | Cmd848 | Cmd849 | Cmd850 | Cmd851 | Cmd852 | Cmd853 | Cmd854 | Cmd855 | Cmd856 | Cmd857 | Cmd858 | Cmd859 | Cmd860 | Cmd861 | Cmd862 | Cmd863 | Cmd864 | Cmd865 | Cmd866 | Cmd867 | Cmd868 | Cmd869 | Cmd870 | Cmd871 | Cmd872 | Cmd873 | Cmd874 | Cmd875 | Cmd876 | Cmd877 | Cmd878 | Cmd879 | Cmd880 | Cmd881 | Cmd882 | Cmd883 | Cmd884 | Cmd885 | Cmd886 | Cmd887 | Cmd888 | Cmd889 | Cmd890 | Cmd891 | Cmd892 | Cmd893 | Cmd894 | Cmd895 | Cmd896 | Cmd897 | Cmd898 | Cmd899 | Cmd900 | Cmd901 | Cmd902 | Cmd903 | Cmd904 | Cmd905 | Cmd906 | Cmd907 | Cmd908 | Cmd909 | Cmd910 | Cmd911 | Cmd912 | Cmd913 | Cmd914 | Cmd915 | Cmd916 | Cmd917 | Cmd918 | Cmd919 | Cmd920 | Cmd921 | Cmd922 | Cmd923 | Cmd924 | Cmd925 | Cmd926 | Cmd927 | Cmd928 | Cmd929 | Cmd930 | Cmd931 | Cmd932 | Cmd933 | Cmd934 | Cmd935 | Cmd936 | Cmd937 | Cmd938 | Cmd939 | Cmd940 | Cmd941 | Cmd942 | Cmd943 | Cmd944 | Cmd945 | Cmd946 | Cmd947 | Cmd948 | Cmd949 | Cmd950 | Cmd951 | Cmd952 | Cmd953 | Cmd954 | Cmd955 | Cmd956 | Cmd957 | Cmd958 | Cmd959 | Cmd960 | Cmd961 | Cmd962 | Cmd963 | Cmd964 | Cmd965 | Cmd966 | Cmd967 | Cmd968 | Cmd969 | Cmd970 | Cmd971 | Cmd972 | Cmd973 | Cmd974 | Cmd975 | Cmd976 | Cmd977 | Cmd978 | Cmd979 | Cmd980 | Cmd981 | Cmd982 | Cmd983 | Cmd984 | Cmd985 | Cmd986 | Cmd987 | Cmd988 | Cmd989 | Cmd990 | Cmd991 | Cmd992 | Cmd993 | Cmd994 | Cmd995 | Cmd996 | Cmd997 | Cmd998 | Cmd999 | Cmd1000 |
| 1 | host1 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

result列: 対象機器で比較したコマンドの結果のサマリ。

OK : コマンド差分なし

NG : コマンド差分あり

! : 比較処理エラー

コマンド別の比較結果

○ : 差分なし

× : 差分あり

N/A : 比較対象コマンドが取得できていない
(ログがない)

- : 比較しない設定のコマンド

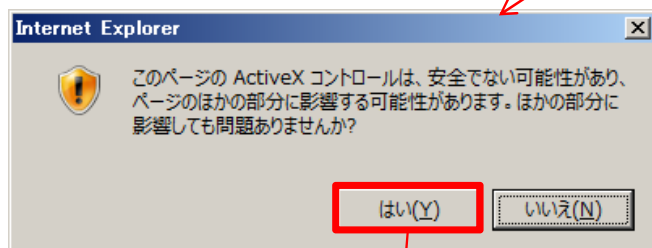
! : 比較処理で異常終了

(2) 画面例2

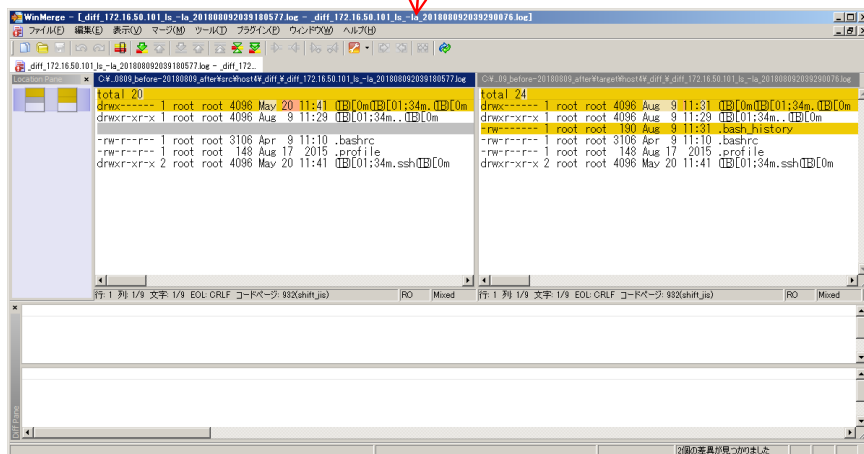
| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | |
| 1 | host1 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | |
| 2 | host2 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | |
| 3 | host3 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | |
| 4 | host4 | NG | ○ | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | |
| 5 | host5 | OK | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |

比較結果が×のとき、該当セルで右クリックすることでwarningを発生させる

比較結果が×のとき、該当セルで右クリックすることでwinmergeを開くことができる



※間違えていいえを押した場合はF5で更新後にもういちど操作する



| | | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 | Cmd025 | Cmd026 | Cmd027 | Cmd028 | Cmd029 | Cmd030 | Cmd031 | Cmd032 | Cmd033 | Cmd034 | Cmd035 | Cmd036 | Cmd037 | Cmd038 | Cmd039 | Cmd040 | Cmd041 | Cmd042 | Cmd043 | Cmd044 | Cmd045 | Cmd046 | Cmd047 | Cmd048 | Cmd049 | Cmd050 | Cmd051 | Cmd052 | Cmd053 | Cmd054 | Cmd055 | Cmd056 | Cmd057 | Cmd058 | Cmd059 | Cmd060 | Cmd061 | Cmd062 | Cmd063 | Cmd064 | Cmd065 | Cmd066 | Cmd067 | Cmd068 | Cmd069 | Cmd070 | Cmd071 | Cmd072 | Cmd073 | Cmd074 | Cmd075 | Cmd076 | Cmd077 | Cmd078 | Cmd079 | Cmd080 | Cmd081 | Cmd082 | Cmd083 | Cmd084 | Cmd085 | Cmd086 | Cmd087 | Cmd088 | Cmd089 | Cmd090 | Cmd091 | Cmd092 | Cmd093 | Cmd094 | Cmd095 | Cmd096 | Cmd097 | Cmd098 | Cmd099 | Cmd100 | Cmd101 | Cmd102 | Cmd103 | Cmd104 | Cmd105 | Cmd106 | Cmd107 | Cmd108 | Cmd109 | Cmd110 | Cmd111 | Cmd112 | Cmd113 | Cmd114 | Cmd115 | Cmd116 | Cmd117 | Cmd118 | Cmd119 | Cmd120 | Cmd121 | Cmd122 | Cmd123 | Cmd124 | Cmd125 | Cmd126 | Cmd127 | Cmd128 | Cmd129 | Cmd130 | Cmd131 | Cmd132 | Cmd133 | Cmd134 | Cmd135 | Cmd136 | Cmd137 | Cmd138 | Cmd139 | Cmd140 | Cmd141 | Cmd142 | Cmd143 | Cmd144 | Cmd145 | Cmd146 | Cmd147 | Cmd148 | Cmd149 | Cmd150 | Cmd151 | Cmd152 | Cmd153 | Cmd154 | Cmd155 | Cmd156 | Cmd157 | Cmd158 | Cmd159 | Cmd160 | Cmd161 | Cmd162 | Cmd163 | Cmd164 | Cmd165 | Cmd166 | Cmd167 | Cmd168 | Cmd169 | Cmd170 | Cmd171 | Cmd172 | Cmd173 | Cmd174 | Cmd175 | Cmd176 | Cmd177 | Cmd178 | Cmd179 | Cmd180 | Cmd181 | Cmd182 | Cmd183 | Cmd184 | Cmd185 | Cmd186 | Cmd187 | Cmd188 | Cmd189 | Cmd190 | Cmd191 | Cmd192 | Cmd193 | Cmd194 | Cmd195 | Cmd196 | Cmd197 | Cmd198 | Cmd199 | Cmd200 | Cmd201 | Cmd202 | Cmd203 | Cmd204 | Cmd205 | Cmd206 | Cmd207 | Cmd208 | Cmd209 | Cmd210 | Cmd211 | Cmd212 | Cmd213 | Cmd214 | Cmd215 | Cmd216 | Cmd217 | Cmd218 | Cmd219 | Cmd220 | Cmd221 | Cmd222 | Cmd223 | Cmd224 | Cmd225 | Cmd226 | Cmd227 | Cmd228 | Cmd229 | Cmd230 | Cmd231 | Cmd232 | Cmd233 | Cmd234 | Cmd235 | Cmd236 | Cmd237 | Cmd238 | Cmd239 | Cmd240 | Cmd241 | Cmd242 | Cmd243 | Cmd244 | Cmd245 | Cmd246 | Cmd247 | Cmd248 | Cmd249 | Cmd250 | Cmd251 | Cmd252 | Cmd253 | Cmd254 | Cmd255 | Cmd256 | Cmd257 | Cmd258 | Cmd259 | Cmd260 | Cmd261 | Cmd262 | Cmd263 | Cmd264 | Cmd265 | Cmd266 | Cmd267 | Cmd268 | Cmd269 | Cmd270 | Cmd271 | Cmd272 | Cmd273 | Cmd274 | Cmd275 | Cmd276 | Cmd277 | Cmd278 | Cmd279 | Cmd280 | Cmd281 | Cmd282 | Cmd283 | Cmd284 | Cmd285 | Cmd286 | Cmd287 | Cmd288 | Cmd289 | Cmd290 | Cmd291 | Cmd292 | Cmd293 | Cmd294 | Cmd295 | Cmd296 | Cmd297 | Cmd298 | Cmd299 | Cmd300 | Cmd301 | Cmd302 | Cmd303 | Cmd304 | Cmd305 | Cmd306 | Cmd307 | Cmd308 | Cmd309 | Cmd310 | Cmd311 | Cmd312 | Cmd313 | Cmd314 | Cmd315 | Cmd316 | Cmd317 | Cmd318 | Cmd319 | Cmd320 | Cmd321 | Cmd322 | Cmd323 | Cmd324 | Cmd325 | Cmd326 | Cmd327 | Cmd328 | Cmd329 | Cmd330 | Cmd331 | Cmd332 | Cmd333 | Cmd334 | Cmd335 | Cmd336 | Cmd337 | Cmd338 | Cmd339 | Cmd340 | Cmd341 | Cmd342 | Cmd343 | Cmd344 | Cmd345 | Cmd346 | Cmd347 | Cmd348 | Cmd349 | Cmd350 | Cmd351 | Cmd352 | Cmd353 | Cmd354 | Cmd355 | Cmd356 | Cmd357 | Cmd358 | Cmd359 | Cmd360 | Cmd361 | Cmd362 | Cmd363 | Cmd364 | Cmd365 | Cmd366 | Cmd367 | Cmd368 | Cmd369 | Cmd370 | Cmd371 | Cmd372 | Cmd373 | Cmd374 | Cmd375 | Cmd376 | Cmd377 | Cmd378 | Cmd379 | Cmd380 | Cmd381 | Cmd382 | Cmd383 | Cmd384 | Cmd385 | Cmd386 | Cmd387 | Cmd388 | Cmd389 | Cmd390 | Cmd391 | Cmd392 | Cmd393 | Cmd394 | Cmd395 | Cmd396 | Cmd397 | Cmd398 | Cmd399 | Cmd400 | Cmd401 | Cmd402 | Cmd403 | Cmd404 | Cmd405 | Cmd406 | Cmd407 | Cmd408 | Cmd409 | Cmd410 | Cmd411 | Cmd412 | Cmd413 | Cmd414 | Cmd415 | Cmd416 | Cmd417 | Cmd418 | Cmd419 | Cmd420 | Cmd421 | Cmd422 | Cmd423 | Cmd424 | Cmd425 | Cmd426 | Cmd427 | Cmd428 | Cmd429 | Cmd430 | Cmd431 | Cmd432 | Cmd433 | Cmd434 | Cmd435 | Cmd436 | Cmd437 | Cmd438 | Cmd439 | Cmd440 | Cmd441 | Cmd442 | Cmd443 | Cmd444 | Cmd445 | Cmd446 | Cmd447 | Cmd448 | Cmd449 | Cmd450 | Cmd451 | Cmd452 | Cmd453 | Cmd454 | Cmd455 | Cmd456 | Cmd457 | Cmd458 | Cmd459 | Cmd460 | Cmd461 | Cmd462 | Cmd463 | Cmd464 | Cmd465 | Cmd466 | Cmd467 | Cmd468 | Cmd469 | Cmd470 | Cmd471 | Cmd472 | Cmd473 | Cmd474 | Cmd475 | Cmd476 | Cmd477 | Cmd478 | Cmd479 | Cmd480 | Cmd481 | Cmd482 | Cmd483 | Cmd484 | Cmd485 | Cmd486 | Cmd487 | Cmd488 | Cmd489 | Cmd490 | Cmd491 | Cmd492 | Cmd493 | Cmd494 | Cmd495 | Cmd496 | Cmd497 | Cmd498 | Cmd499 | Cmd500 | Cmd501 | Cmd502 | Cmd503 | Cmd504 | Cmd505 | Cmd506 | Cmd507 | Cmd508 | Cmd509 | Cmd510 | Cmd511 | Cmd512 | Cmd513 | Cmd514 | Cmd515 | Cmd516 | Cmd517 | Cmd518 | Cmd519 | Cmd520 | Cmd521 | Cmd522 | Cmd523 | Cmd524 | Cmd525 | Cmd526 | Cmd527 | Cmd528 | Cmd529 | Cmd530 | Cmd531 | Cmd532 | Cmd533 | Cmd534 | Cmd535 | Cmd536 | Cmd537 | Cmd538 | Cmd539 | Cmd540 | Cmd541 | Cmd542 | Cmd543 | Cmd544 | Cmd545 | Cmd546 | Cmd547 | Cmd548 | Cmd549 | Cmd550 | Cmd551 | Cmd552 | Cmd553 | Cmd554 | Cmd555 | Cmd556 | Cmd557 | Cmd558 | Cmd559 | Cmd560 | Cmd561 | Cmd562 | Cmd563 | Cmd564 | Cmd565 | Cmd566 | Cmd567 | Cmd568 | Cmd569 | Cmd570 | Cmd571 | Cmd572 | Cmd573 | Cmd574 | Cmd575 | Cmd576 | Cmd577 | Cmd578 | Cmd579 | Cmd580 | Cmd581 | Cmd582 | Cmd583 | Cmd584 | Cmd585 | Cmd586 | Cmd587 | Cmd588 | Cmd589 | Cmd590 | Cmd591 | Cmd592 | Cmd593 | Cmd594 | Cmd595 | Cmd596 | Cmd597 | Cmd598 | Cmd599 | Cmd600 | Cmd601 | Cmd602 | Cmd603 | Cmd604 | Cmd605 | Cmd606 | Cmd607 | Cmd608 | Cmd609 | Cmd610 | Cmd611 | Cmd612 | Cmd613 | Cmd614 | Cmd615 | Cmd616 | Cmd617 | Cmd618 | Cmd619 | Cmd620 | Cmd621 | Cmd622 | Cmd623 | Cmd624 | Cmd625 | Cmd626 | Cmd627 | Cmd628 | Cmd629 | Cmd630 | Cmd631 | Cmd632 | Cmd633 | Cmd634 | Cmd635 | Cmd636 | Cmd637 | Cmd638 | Cmd639 | Cmd640 | Cmd641 | Cmd642 | Cmd643 | Cmd644 | Cmd645 | Cmd646 | Cmd647 | Cmd648 | Cmd649 | Cmd650 | Cmd651 | Cmd652 | Cmd653 | Cmd654 | Cmd655 | Cmd656 | Cmd657 | Cmd658 | Cmd659 | Cmd660 | Cmd661 | Cmd662 | Cmd663 | Cmd664 | Cmd665 | Cmd666 | Cmd667 | Cmd668 | Cmd669 | Cmd670 | Cmd671 | Cmd672 | Cmd673 | Cmd674 | Cmd675 | Cmd676 | Cmd677 | Cmd678 | Cmd679 | Cmd680 | Cmd681 | Cmd682 | Cmd683 | Cmd684 | Cmd685 | Cmd686 | Cmd687 | Cmd688 | Cmd689 | Cmd690 | Cmd691 | Cmd692 | Cmd693 | Cmd694 | Cmd695 | Cmd696 | Cmd697 | Cmd698 | Cmd699 | Cmd700 | Cmd701 | Cmd702 | Cmd703 | Cmd704 | Cmd705 | Cmd706 | Cmd707 | Cmd708 | Cmd709 | Cmd710 | Cmd711 | Cmd712 | Cmd713 | Cmd714 | Cmd715 | Cmd716 | Cmd717 | Cmd718 | Cmd719 | Cmd720 | Cmd721 | Cmd722 | Cmd723 | Cmd724 | Cmd725 | Cmd726 | Cmd727 | Cmd728 | Cmd729 | Cmd730 | Cmd731 | Cmd732 | Cmd733 | Cmd734 | Cmd735 | Cmd736 | Cmd737 | Cmd738 | Cmd739 | Cmd740 | Cmd741 | Cmd742 | Cmd743 | Cmd744 | Cmd745 | Cmd746 | Cmd747 | Cmd748 | Cmd749 | Cmd750 | Cmd751 | Cmd752 | Cmd753 | Cmd754 | Cmd755 | Cmd756 | Cmd757 | Cmd758 | Cmd759 | Cmd760 | Cmd761 | Cmd762 | Cmd763 | Cmd764 | Cmd765 | Cmd766 | Cmd767 | Cmd768 | Cmd769 | Cmd770 | Cmd771 | Cmd772 | Cmd773 | Cmd774 | Cmd775 | Cmd776 | Cmd777 | Cmd778 | Cmd779 | Cmd780 | Cmd781 | Cmd782 | Cmd783 | Cmd784 | Cmd785 | Cmd786 | Cmd787 | Cmd788 | Cmd789 | Cmd790 | Cmd791 | Cmd792 | Cmd793 | Cmd794 | Cmd795 | Cmd796 | Cmd797 | Cmd798 | Cmd799 | Cmd800 | Cmd801 | Cmd802 | Cmd803 | Cmd804 | Cmd805 | Cmd806 | Cmd807 | Cmd808 | Cmd809 | Cmd810 | Cmd811 | Cmd812 | Cmd813 | Cmd814 | Cmd815 | Cmd816 | Cmd817 | Cmd818 | Cmd819 | Cmd820 | Cmd821 | Cmd822 | Cmd823 | Cmd824 | Cmd825 | Cmd826 | Cmd827 | Cmd828 | Cmd829 | Cmd830 | Cmd831 | Cmd832 | Cmd833 | Cmd834 | Cmd835 | Cmd836 | Cmd837 | Cmd838 | Cmd839 | Cmd840 | Cmd841 | Cmd842 | Cmd843 | Cmd844 | Cmd845 | Cmd846 | Cmd847 | Cmd848 | Cmd849 | Cmd850 | Cmd851 | Cmd852 | Cmd853 | Cmd854 | Cmd855 | Cmd856 | Cmd857 | Cmd858 | Cmd859 | Cmd860 | Cmd861 | Cmd862 | Cmd863 | Cmd864 | Cmd865 | Cmd866 | Cmd867 | Cmd868 | Cmd869 | Cmd870 | Cmd871 | Cmd872 | Cmd873 | Cmd874 | Cmd875 | Cmd876 | Cmd877 | Cmd878 | Cmd879 | Cmd880 | Cmd881 | Cmd882 | Cmd883 | Cmd884 | Cmd885 | Cmd886 | Cmd887 | Cmd888 | Cmd889 | Cmd890 | Cmd891 | Cmd892 | Cmd893 | Cmd894 | Cmd895 | Cmd896 | Cmd897 | Cmd898 | Cmd899 | Cmd900 | Cmd901 | Cmd902 | Cmd903 | Cmd904 | Cmd905 | Cmd906 | Cmd907 | Cmd908 | Cmd909 | Cmd910 | Cmd911 | Cmd912 | Cmd913 | Cmd914 | Cmd915 | Cmd916 | Cmd917 | Cmd918 | Cmd919 | Cmd920 | Cmd921 | Cmd922 | Cmd923 | Cmd924 | Cmd925 | Cmd926 | Cmd927 | Cmd928 | Cmd929 | Cmd930 | Cmd931 | Cmd932 | Cmd933 | Cmd934 | Cmd935 | Cmd936 | Cmd937 | Cmd938 | Cmd939 | Cmd940 | Cmd941 | Cmd942 | Cmd943 | Cmd944 | Cmd945 | Cmd946 | Cmd947 | Cmd948 | Cmd949 | Cmd950 | Cmd951 | Cmd952 | Cmd953 | Cmd954 | Cmd955 | Cmd956 | Cmd957 | Cmd958 | Cmd959 | Cmd960 | Cmd961 | Cmd962 | Cmd963 | Cmd964 | Cmd965 | Cmd966 | Cmd967 | Cmd968 | Cmd969 | Cmd970 | Cmd971 | Cmd972 | Cmd973 | Cmd974 | Cmd975 | Cmd976 | Cmd977 | Cmd978 | Cmd979 | Cmd980 | Cmd981 | Cmd982 | Cmd983 | Cmd984 | Cmd985 | Cmd986 | Cmd987 | Cmd988 | Cmd989 | Cmd990 | Cmd991 | Cmd992 | Cmd993 | Cmd994 | Cmd995 | Cmd996 | Cmd997 | Cmd998 | Cmd999 | Cmd1000 | Cmd1001 | Cmd1002 | Cmd1003 | Cmd1004 | Cmd1005 | Cmd1006 | Cmd1007 | Cmd1008 | Cmd1009 | Cmd1010 | Cmd1011 | Cmd1012 | Cmd1013 | Cmd1014 | Cmd1015 | Cmd1016 | Cmd1017 | Cmd1018 | Cmd1019 | Cmd1020 | Cmd1021 | Cmd1022 | Cmd1023 | Cmd1024 | Cmd1025 | Cmd1026 | Cmd1027 | Cmd1028 | Cmd1029 | Cmd1030 | Cmd1031 | Cmd1032 | Cmd1033 | Cmd1034 | Cmd1035 | Cmd1036 | Cmd1037 | Cmd1038 | Cmd1039 | Cmd1040 | Cmd1041 | Cmd1042 | Cmd1043 | Cmd1044 | Cmd1045 | Cmd1046 | Cmd1047 | Cmd1048 | Cmd1049 | Cmd1050 | Cmd1051 | Cmd1052 | Cmd1053 | Cmd1054 | Cmd1055 | Cmd1056 | Cmd1057 | Cmd1058 | Cmd1059 | Cmd1060 | Cmd1061 | Cmd1062 | Cmd1063 | Cmd1064 | Cmd1065 | Cmd1066 | Cmd1067 | Cmd1068 | Cmd1069 | Cmd1070 | Cmd1071 | Cmd1072 | Cmd1073 | Cmd1074 | Cmd1075 | Cmd1076 | Cmd1077 | Cmd1078 | Cmd1079 | Cmd1080 | Cmd1081 | Cmd1082 | Cmd1083 | Cmd1084 | Cmd1085 | Cmd1086 | Cmd1087 | Cmd1088 | Cmd1089 | Cmd1090 | Cmd1091 | Cmd1092 | Cmd1093 | Cmd1094 | Cmd1095 | Cmd1096 | Cmd1097 | Cmd1098 | Cmd1099 | Cmd1100 | Cmd1101 | Cmd1102 | Cmd1103 | Cmd1104 | Cmd1105 | Cmd1106 | Cmd1107 | Cmd1108 | Cmd1109 | Cmd1110 | Cmd1111 | Cmd1112 | Cmd1113 | Cmd1114 | Cmd1115 | Cmd1116 | Cmd1117 | Cmd1118 | Cmd1119 | Cmd1120 | Cmd1121 | Cmd1122 | Cmd1123 | Cmd1124 | Cmd1125 | Cmd1126 | Cmd1127 | Cmd1128 | Cmd1129 | Cmd1130 | Cmd1131 | Cmd1132 | Cmd1133 | Cmd1134 | Cmd1135 | Cmd1136 | Cmd1137 | Cmd1138 | Cmd1139 | Cmd1140 | Cmd1141 | Cmd1142 | Cmd1143 | Cmd1144 | Cmd1145 | Cmd1146 | Cmd1147 | Cmd1148 | Cmd1149 | Cmd1150 | Cmd1151 | Cmd1152 | Cmd1153 | Cmd1154 | Cmd1155 | Cmd1156 | Cmd1157 | Cmd1158 | Cmd1159 | Cmd1160 | Cmd1161 | Cmd1162 | Cmd1163 | Cmd1164 | Cmd1165 | Cmd1166 | Cmd1167 | Cmd1168 | Cmd1169 | Cmd1170 | Cmd1171 | Cmd1172 | Cmd1173 | Cmd1174 | Cmd1175 | Cmd1176 | Cmd1177 | Cmd1178 | Cmd1179 | Cmd1180 | Cmd1181 | Cmd1182 | Cmd1183 | Cmd1184 | Cmd1185 | Cmd1186 | Cmd1187 | Cmd1188 | Cmd1189 | Cmd1190 | Cmd1191 | Cmd1192 | Cmd1193 | Cmd1194 | Cmd1195 | Cmd1196 | Cmd1197 | Cmd1198 | Cmd1199 | Cmd1200 | Cmd1201 | Cmd1202 | Cmd1203 | Cmd1204 | Cmd1205 | Cmd1206 | Cmd1207 | Cmd1208 | Cmd1209 | Cmd1210 | Cmd1211 | Cmd1212 | Cmd1213 | Cmd1214 | Cmd1215 | Cmd1216 | Cmd1217 | Cmd1218 | Cmd1219 | Cmd1220 | Cmd1221 | Cmd1222 | Cmd1223 | Cmd1224 | Cmd1225 | Cmd1226 | Cmd1227 | Cmd1228 | Cmd1229 | Cmd1230 | Cmd1231 | Cmd1232 | Cmd1233 | Cmd1234 | Cmd1235 | Cmd1236 | Cmd1237 | Cmd1238 | Cmd1239 | Cmd1240 | Cmd1241 | Cmd1242 | Cmd1243 | Cmd1244 | Cmd1245 | Cmd1246 | Cmd1247 | Cmd1248 | Cmd1249 | Cmd1250 | Cmd1251 | Cmd1252 | Cmd1253 | Cmd1254 | Cmd1255 | Cmd1256 | Cmd1257 | Cmd1258 | Cmd1259 | Cmd1260 | Cmd1261 | Cmd1262 | Cmd1263 | Cmd1264 | Cmd1265 | Cmd1266 | Cmd1267 | Cmd1268 | Cmd1269 | Cmd1270 | Cmd1271 | Cmd1272 | Cmd1273 | Cmd1274 | Cmd1275 | Cmd1276 | Cmd1277 | Cmd1278 | Cmd1279 | Cmd1280 | Cmd1281 | Cmd1282 | Cmd1283 | Cmd1284 | Cmd1285 | Cmd1286 | Cmd1287 | Cmd1288 | Cmd1289 | Cmd1290 | Cmd1291 | Cmd1292 | Cmd1293 | Cmd1294 | Cmd1295 | Cmd1296 | Cmd1297 | Cmd1298 | Cmd1299 | Cmd1300 | Cmd1301 | Cmd1302 | Cmd1303 | Cmd1304 | Cmd1305 | Cmd1306 | Cmd1307 | Cmd1308 | Cmd1309 | Cmd1310 | Cmd1311 | Cmd1312 | Cmd1313 | Cmd1314 | Cmd1315 | Cmd1316 | Cmd1317 | Cmd1318 | Cmd1319 | Cmd1320 | Cmd1321 | Cmd1322 | Cmd1323 | Cmd1324 | Cmd1325 | Cmd1326 | Cmd1327 | Cmd1328 | Cmd1329 | Cmd1330 | Cmd1331 | Cmd1332 | |

winmergeで確認した箇所は緑に変化する
※保存されないため、再度開いた場合は赤色

1-4. 過去結果確認

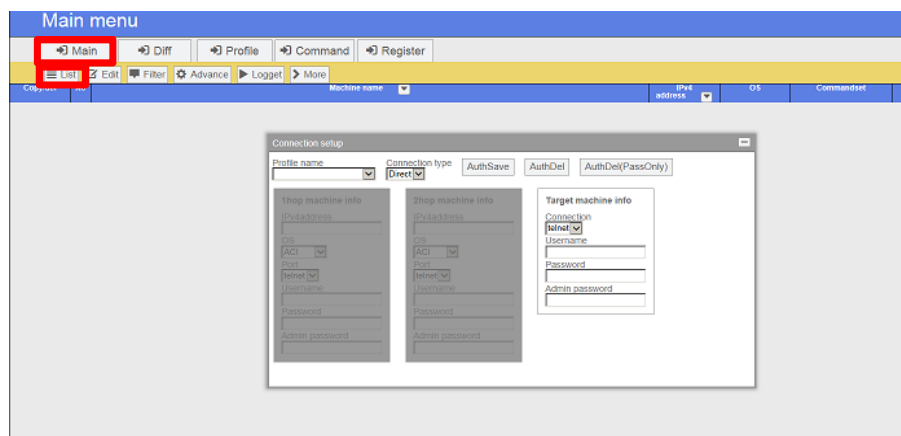
- (1) 過去の結果は下記ディレクトリに格納されている
「C:\Libra\logget\diffresult\」
フォルダ内にあるHTMLを開くと再度比較結果を確認することができる

Libra使用手順書

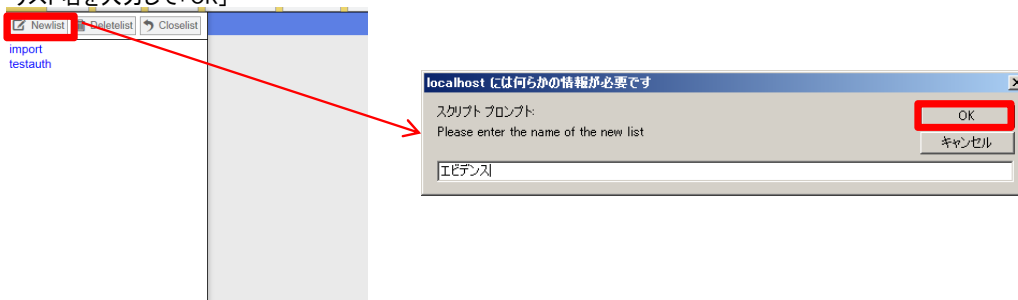
1.リストの編集

1-1. 新規リストの追加

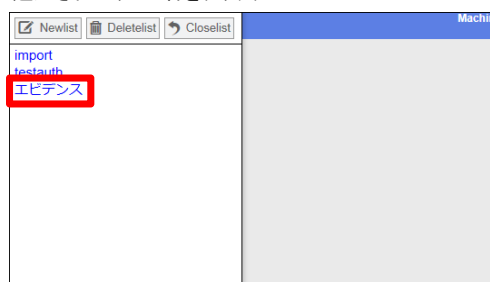
- (1) 「Main」ボタンを押し、Mainmenu画面を開く
「List」ボタンをクリック



- (2) 「Newlist」をクリック
リスト名を入力して「OK」

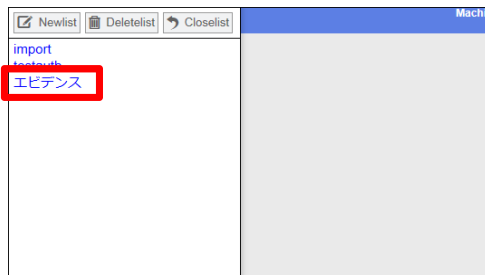


- (3) 追加されたリスト名をクリック

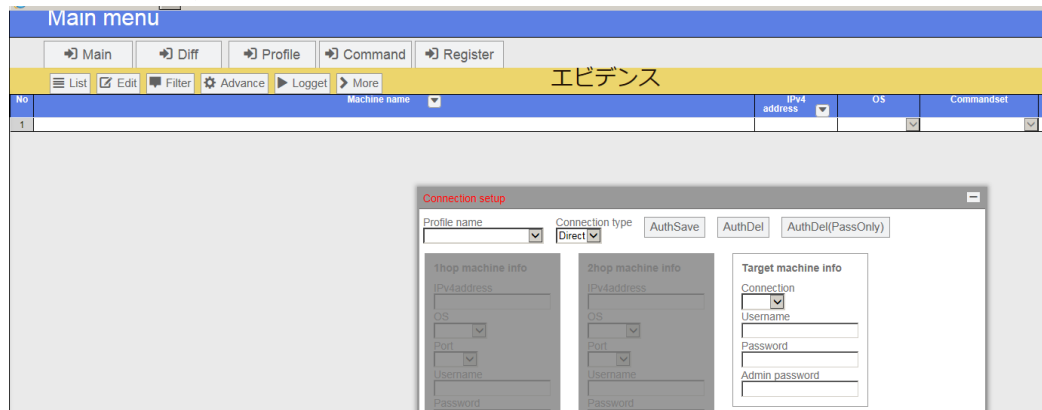


1-2. リストの編集

- (1) 該当のリストをクリックし、「Closelist」をクリック



- (2) 「Edit」をクリックし、Editモードに入る
Advance機能を使う場合はAdvanceをクリックしたあとにEditをクリック



- (3) 各項目を入力し、「Save」を押して保存する
行を追加/削除するには、Copy/delの「+」「-」を押す



Filter1~5: ブランク可
任意の値

Machinename: ブランク不可
リスト内で一意の値。
取得するログが保管される際のフォルダ名に使用する
フォルダ名に使用できない文字は指定できない

IPv4address: ブランク不可

OS: セレクトボックスから選択

Command: セレクトボックスから選択

Option: ブランク可能

- IOS.Nexusno場合にvrfに実行したいコマンドを設定できる

- ASAの場合、systemに実行するコマンド、contextに実行するコマンドをそれぞれに設定可能

LoginProfile(Advance): この行だけに適用するProfileを設定できる

RootFolder: この行だけ配置するフォルダ名をここで指定した場所へ変更する

1-3. リストのインポート

(1) インポートファイルの準備

【フォーマット】

フィルタ1,フィルタ2,フィルタ3,フィルタ4,フィルタ5,Machinename,Ippaddress,OS,Command,option,Loginprofile,Rootfolder
例)

fil1,fil2,fil3,fil4,fil5,host5,1.1.1.5,ASA,setup,system=>setup|context=>setup,setupprofile,test5

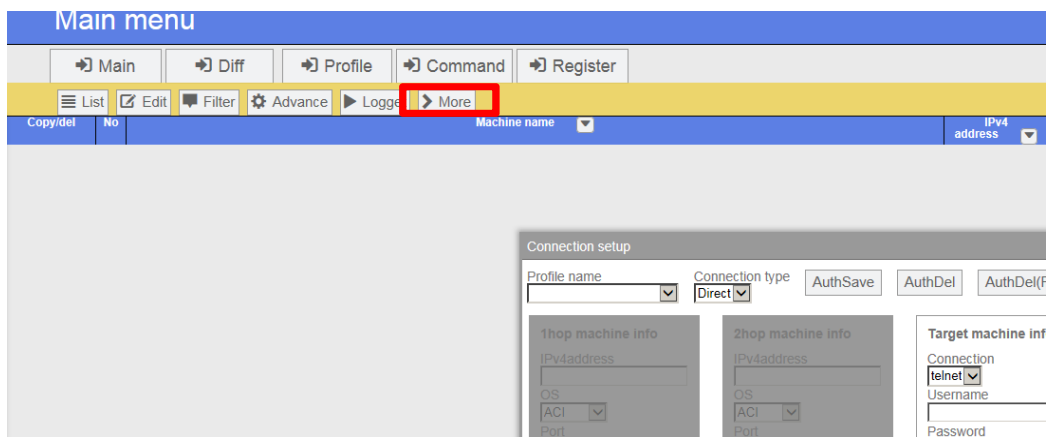
【ファイル名形式】

リスト名.csv

【配置場所】

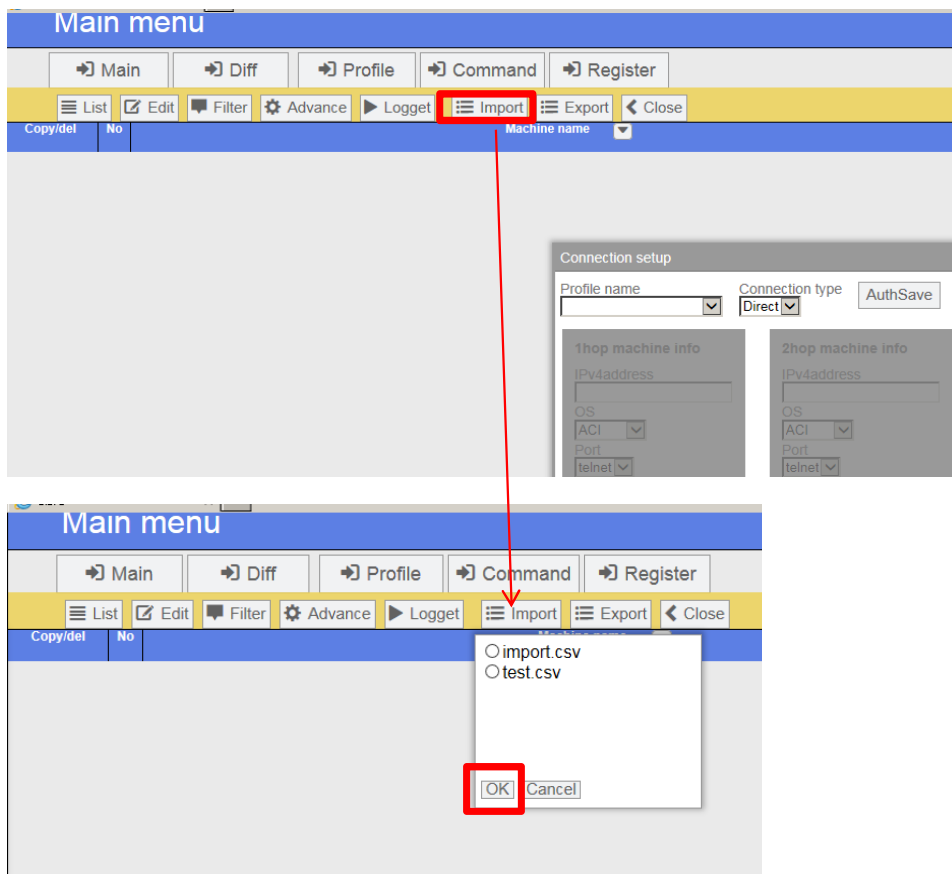
C:\C:\Libra\import\list\

(2) 「More」をクリック



(4) 「import」をクリック

C:\C:\Libra\import\list\に配置したファイルの一覧が開く
該当のリストを選択し「OK」



Libra使用手順書

1. コマンドセットの編集

1-1. 新規コマンドセットの追加

- (1) 「Command」ボタンを押し、Commandset画面を開く

Command set

Main Diff Profile **Command** Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | Setup | Nexus | |

- (2) 「NewCommandset」をクリック

Command set

Main Diff Profile Command Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | Setup | Nexus | |

- (3) 「Name」に一意の名前を入力する

「OS」から作成対象のOSを選択する

Cmd001～Cmd040に、対象のコマンドを選択する(Registerに登録されているコマンドが選択可能)

※ログ取得時はここで設定した番号順で、コマンドを実行する

Create Commandset

Name: demoCMD OS: IOS Filter:

| | | | |
|--------|--------------------------------------|--------|--|
| Cmd001 | dir all | Cmd002 | |
| Cmd003 | dir | Cmd004 | |
| Cmd005 | sh pppoe session | Cmd006 | |
| Cmd007 | sh version | Cmd008 | |
| Cmd009 | show access-list | Cmd010 | |
| Cmd011 | show arp | Cmd012 | |
| Cmd013 | show bfd neighbors detail | Cmd014 | |
| Cmd015 | show bfd neighbors | Cmd016 | |
| Cmd017 | show bridge | Cmd018 | |
| Cmd019 | show buffers usage | Cmd020 | |
| Cmd021 | show buffers | Cmd022 | |
| Cmd023 | show cdp neighbors | Cmd024 | |
| Cmd025 | show clock | Cmd026 | |
| Cmd027 | show crypt isakmp sa detail | Cmd028 | |
| Cmd029 | show crypto engine connection active | Cmd030 | |
| Cmd031 | show crypto ipsec sa | Cmd032 | |
| Cmd033 | show crypto isakmp sa detail | Cmd034 | |
| Cmd035 | show crypto isakmp sa | Cmd036 | |
| Cmd037 | show crypto session detail | Cmd038 | |
| Cmd039 | show diag | Cmd040 | |
| | show dlsr capabilities | | |
| | show dlsr circuits | | |
| | show dlsr peer | | |
| | show dlsr reachability | | |
| | show dlsr statistics | | |
| | show dlsr transparent cache | | |
| | show dlsr transparent map | | |
| | show dlsr transparent neighbor | | |
| | show env all e Thermal | | |
| | show env all | | |

Note:

Save Cancel

選択式で、途中まで入力することで絞り込み可

(4) 「Save」をクリックして、保存する

Create Commandset

Name: OS: Filter:

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show arp | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note:

☒ Save ☐ Cancel

Command set

Main

Diff

Profile

Command

Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | IOS | |

1-2. コマンド編集

- (1) 該当のコマンドセットをWクリックする

| Command set | | | | | |
|------------------------------------|----|--------|-----------------|---------|------|
| Main Diff Profile Command Register | | | | | |
| NewCommandset | | | | | |
| copy | No | Filter | Commandset Name | OS type | Note |
| + | | | Setun | Nexus | |
| + | | | demoCMD | OS | |

- (2) 編集後、「Save」をクリック

Create Commandset

Name: demoCMD OS: IOS Filter: Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note: Save Cancel

1-3. コマンドセット削除

(1) 該当のコマンドセットをWクリックする

Command set

Main Diff Profile Command Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | OS | |

(2) [Delete]ボタンをクリック

Create Commandset

Name: demoCMD OS: iOS Filter:

Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note:

Save Cancel

- (2) [Delete]ボタンをクリック

Create Commandset

Name: OS: Filter:

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note:

☒ Save ☐ Cancel

1-4. 既存のコマンドセットをコピーして作成する

(1) コピー元とするコマンドセットの「+」ボタンをクリックすることで、新規コマンドをコピーで作成可

Command set

MainDiffProfileCommandRegister

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | IOS | |

Libra使用手順書

1. プロファイルの編集

1-1. 新規プロファイルの追加

- (1) 「Profile」ボタンを押し、Connection profile画面を開く

The screenshot shows the 'Connection profile' window. At the top, there is a navigation bar with buttons: Main, Diff, Profile, Command, and Register. The 'Profile' button is highlighted with a red rectangle. Below the navigation bar, there is a yellow bar with 'NewConnectionprofile' and 'Save' buttons. The main area contains a table with columns: Profile name, Connection type, Hop machine info (IPv4address, OS, Port), Auth group, OS, Option, and Console server info. The first row shows 'setupprofile' as the profile name and 'Direct' as the connection type.

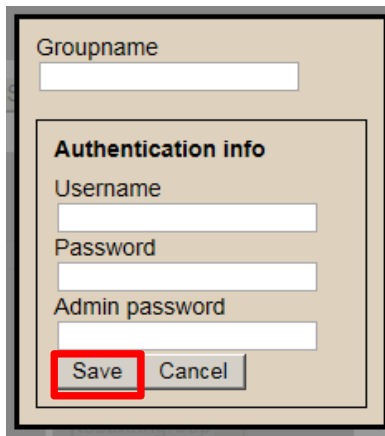
- (2) 「NewConnectionprofile」をクリック

This screenshot is identical to the previous one, but the 'NewConnectionprofile' button in the yellow bar is highlighted with a red rectangle. A red arrow points from this button down towards the 'Set up auth' button in the next screenshot.

- (3) 「Set up auth」をクリック
※既存のAuthgroupを利用する場合は省略可

The screenshot shows the 'Connection setup' window. It has a 'Profile name' text field and a 'Connection type' dropdown menu set to 'Direct'. There are 'Save', 'Cancel', and 'Set up auth' buttons. The 'Set up auth' button is highlighted with a red rectangle. Below these are three panels: '1hop machine info', '2hop machine info', and 'Console server info'. Each panel contains fields for IPv4address, OS (dropdown), Port, and Auth group (dropdown). To the right is a 'Target machine info' panel with fields for Connection (telnet), Auth group (testauthgroup), and Port.

入力後、「Save」をクリック

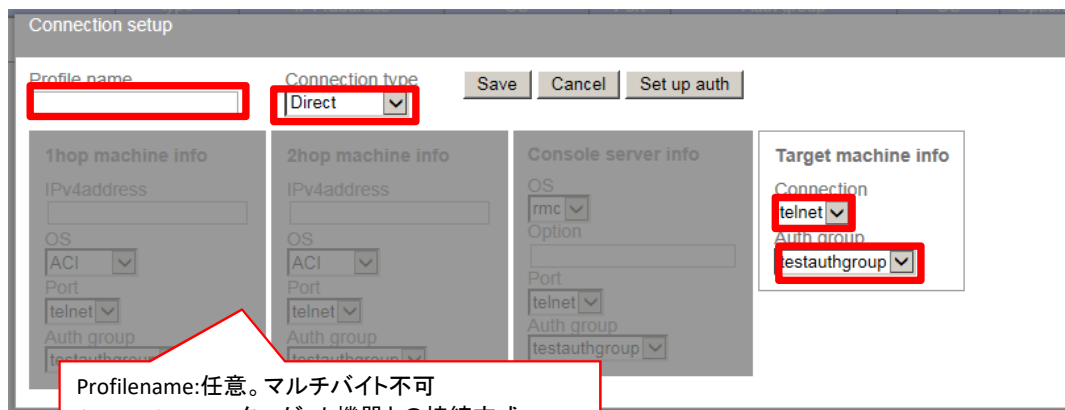


A dialog box titled "Authentication info" with a "Groupname" field at the top. Below it are fields for "Username", "Password", and "Admin password". At the bottom are "Save" and "Cancel" buttons. The "Save" button is highlighted with a red rectangle.

Groupname: 任意、マルチバイト不可
Username: ログインユーザ
Password: ログインパスワード
Adminpassword: enable パスワード

※既存のauth groupの内容を変更する場合は、「Groupname」を同じにすることで上書きすることが可能

(4) Profileを作成する
入力後、「Save」をクリック



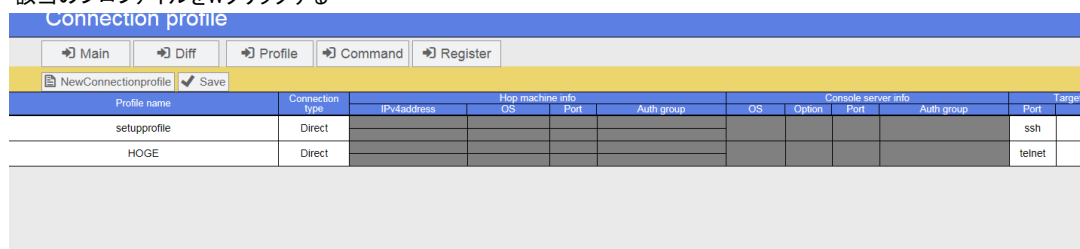
A "Connection setup" dialog box. It has a "Profile name" field (highlighted with a red rectangle) and a "Connection type" dropdown menu (set to "Direct", also highlighted with a red rectangle). There are "Save", "Cancel", and "Set up auth" buttons. Below these are four sections: "1hop machine info", "2hop machine info", "Console server info", and "Target machine info". Each section contains fields for "IPv4address", "OS", "Port", and "Auth group". In the "Target machine info" section, the "Connection" dropdown is set to "telnet" and the "Auth group" dropdown is set to "testauthgroup", both highlighted with red rectangles.

Profilename: 任意。マルチバイト不可
ConnectionType: ターゲット機器との接続方式
Direct, 1hop, 2hopから選択する

Connection: ログインshellをtelnetかsshで選択する
Authgroup: 作成済みの認証情報を選択する

1-2. プロファイル削除

(1) 該当のプロファイルをWクリックする



A table titled "Connection profile" with tabs for "Main", "Diff", "Profile", "Command", and "Register". The "Profile" tab is selected. Below the tabs is a table with columns: "Profile name", "Connection type", "IPv4address", "OS", "Port", "Auth group", "Option", "Console server info", "Auth group", "Port", and "Target". The table contains two rows: "setupprofile" and "HOGE". The "setupprofile" row has "Direct" as the connection type and "ssh" as the target. The "HOGE" row has "Direct" as the connection type and "telnet" as the target.



A "Web ページからのメッセージ" dialog box. It contains a question mark icon and the text "選択したprofileを削除します". At the bottom are "OK" and "キャンセル" buttons. The "OK" button is highlighted with a red rectangle.

Libra使用手順書

1.レジスターコマンドの編集

1-1. 新規レジスターコマンドの追加

- (1) 「Register」ボタンを押し、Command register画面を開く
「New」をクリック

| Command register | | | | | |
|------------------------------------|--------|-----------------------------------|---------|---------|------|
| Main Diff Profile Command Register | | | | | |
| New Import | | | | | |
| No | Filter | Command String | OS Type | Compare | Note |
| 1 | | cat /proc/cpuinfo | ACI | No | |
| 2 | | cat /proc/meminfo | ACI | No | |
| 3 | | free | ACI | No | |
| 4 | | show bgp ipv4 unicast vrf all | ACI | Yes | |
| 5 | | show bgp sessions vrf all | ACI | Yes | |
| 6 | | show bgp vpnv4 unicast vrf all | ACI | Yes | |
| 7 | | show cdp neighbors | ACI | Yes | |
| 8 | | show copp policy stats | ACI | Yes | |
| 9 | | show diagnostic result module all | ACI | Yes | |
| 10 | | show endpoint summary | ACI | Yes | |
| 11 | | show endpoint | ACI | Yes | |
| 12 | | show environment | ACI | Yes | |
| 13 | | show hardware | ACI | Yes | |
| 14 | | show interface counters errors | ACI | Yes | |
| 15 | | show interface status | ACI | Yes | |
| 16 | | show interface trunk | ACI | Yes | |
| 17 | | show interface | ACI | Yes | |
| 18 | | show inventory | ACI | Yes | |
| 19 | | show ip arp vrf all | ACI | No | |
| 20 | | show ip bgp neighbors vrf all | ACI | Yes | |
| 21 | | show ip bgp vrf all | ACI | No | vsh |
| 22 | | show ip interface brief vrf all | ACI | Yes | |
| 23 | | show ip interface brief | ACI | Yes | |
| 24 | | show ip ospf database vrf all | ACI | No | |
| 25 | | show ip ospf interface vrf all | ACI | Yes | |
| 26 | | show ip ospf neighbors vrf all | ACI | Yes | |

灰色行は比較をしない設定のコマンド
(Compare列がNo)

- (2) (比較しない設定の場合)
「CommandString」に実行コマンドを入力
Ostypeに該当OSを選択する
Saveをクリック

The command create

Basic Information on the command

No 411

Command String

OS Type

ACI

Compare

No

Command Memo

Filter

Note

✓ Save

✓ Cancel

- (3) (比較する設定の場合)
「CommandString」に実行コマンドを入力
Ostypeに該当OSを選択する
CompareをYesに設定する
下記、青枠の情報を入力する(必要のない部分は空白可)
「Save」をクリック

The command create

Basic Information on the command

No 411

Command String

OS Type

ACI

Compare

Yes

Command Memo

Filter

Note

Comparative rule (Processing order)

Start Line

Stop Line

Grep

Grep -V

Replace

Sort

✓ Save

✓ Cancel

Compare ruleで比較前のログ編集を定義する

StartLine:ログの比較開始行番号、または文字列

StopLine:ログの比較終了行番号、または文字列

Grep:ログの比較対象行をgrepのキーワードで絞り込みを行う

Grep-v:ログの比較対象行をgrep-vのキーワードで絞り込みを行う

Replace:ログを特定のキーワードに一致する部分を別の文字で置き換える

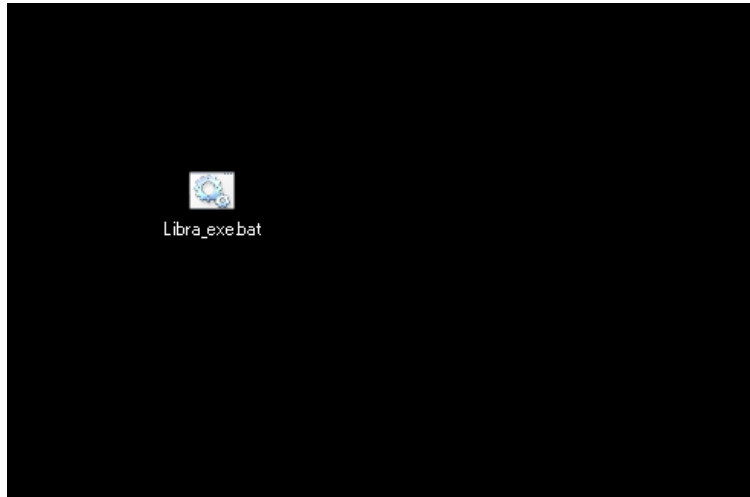
Sort:ログを並び替える

Libra使用手順書

1.ログイン

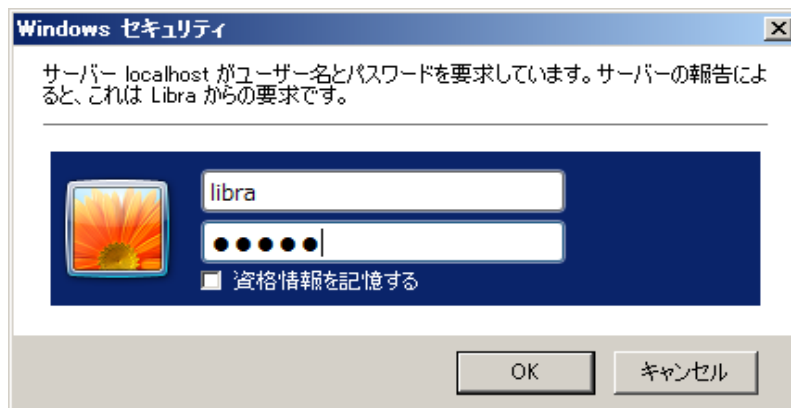
1-1. ログイン

- (1) デスクトップのLibra_exe.batをWクリックで起動する



- (2) ユーザIDとパスワードを入力し、OKをクリックする
※データ読み込み先の数により、最大3回認証が求められる

ユーザID/パスワード
libra/libra

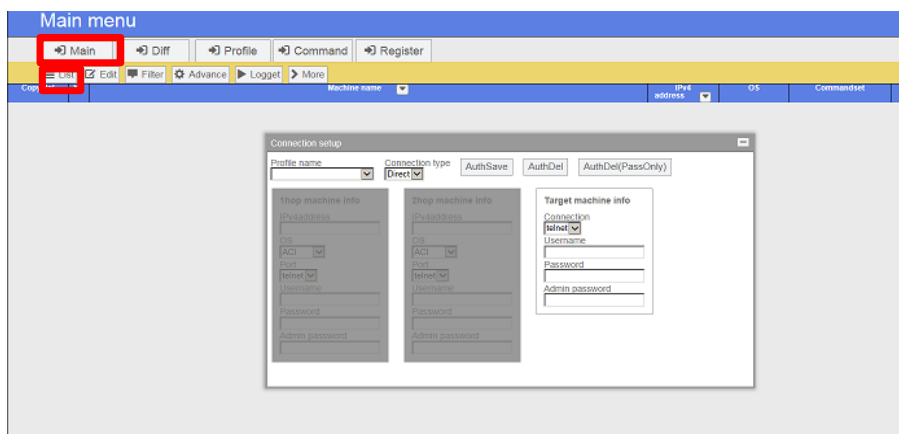


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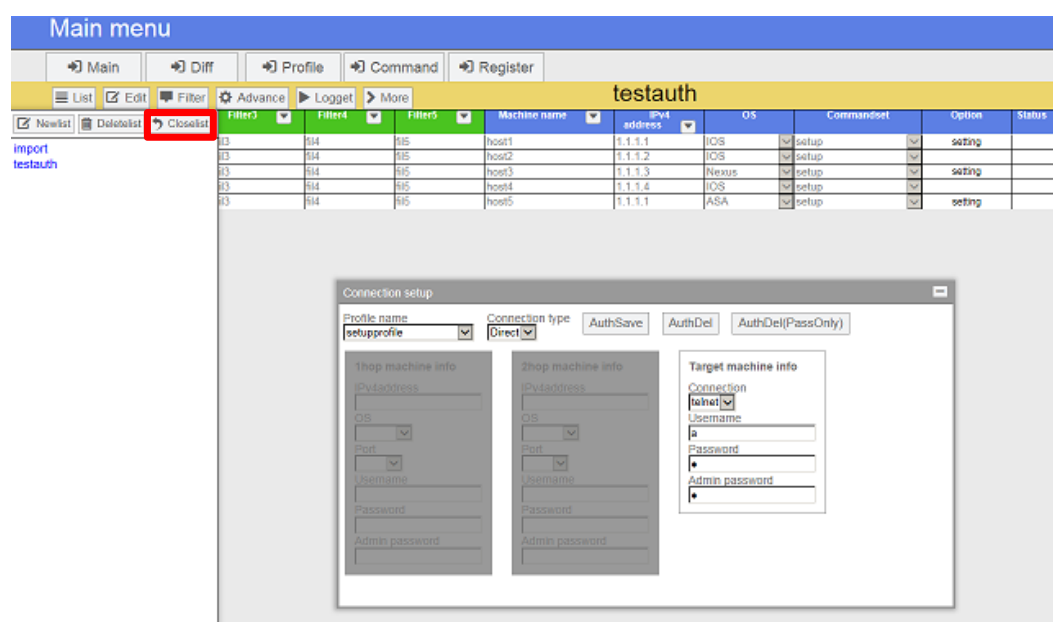
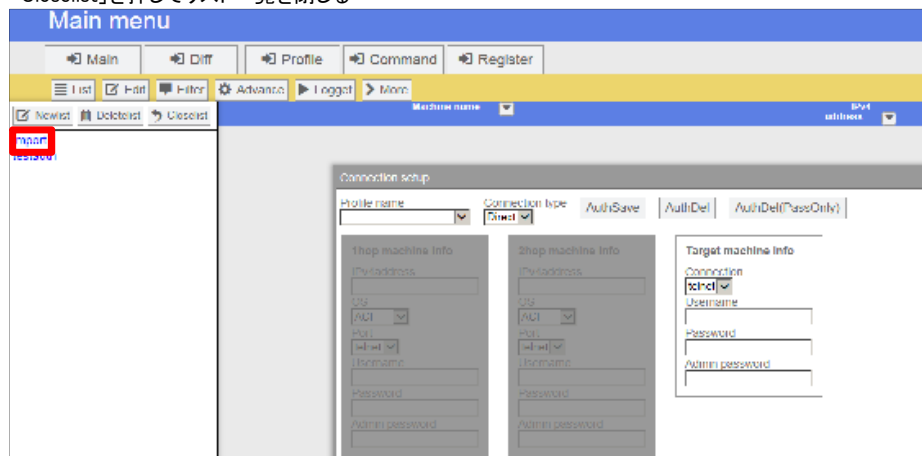
1.ログ取得実行

1-1. 対象のリストを開く

- (1) 「Main」ボタンを押し、MainMenu画面を開く
「List」ボタンを押し、Listの一覧を開く



- (2) 実行対象のList名を押す
「Closelist」を押してリスト一覧を閉じる



1-2. 認証情報の入力

(1) ※Profileを使う場合

Profile nameから該当のProfileを設定する

※ConnectionProfileをすべて入力した場合は、この手順を省略してよ

The screenshot shows the 'Main menu' with the 'testauth' window. A 'Connection setup' dialog is open, showing the 'Profile name' as 'setupprofile' and 'Connection type' as 'Direct'. The 'Target machine info' section is also visible, with fields for 'Connection', 'Username', 'Password', and 'Admin password'.

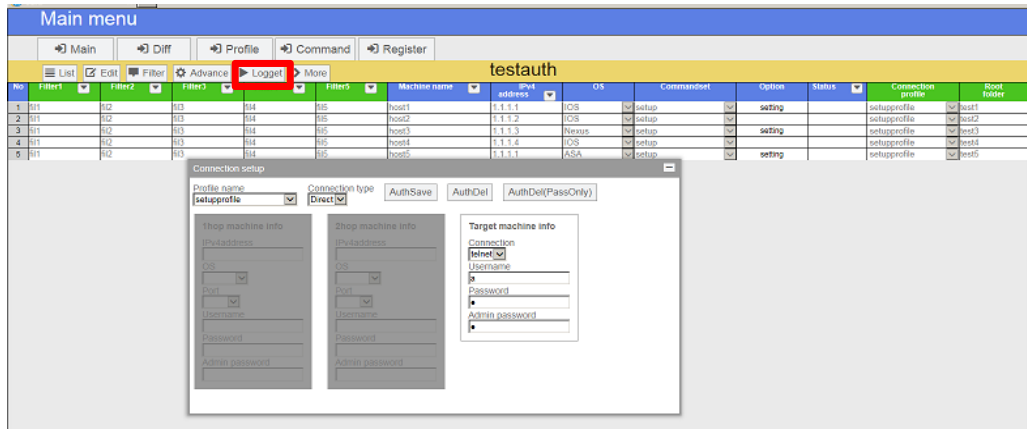
※手動入力の場合

The screenshot shows the 'Main menu' with the 'testauth' window. A 'Connection setup' dialog is open, showing the 'Connection type' as 'Direct'. The 'Target machine info' section is also visible, with fields for 'Connection', 'Username', 'Password', and 'Admin password'.

Connection Typeを選択後、
必要な情報を入力する

1-3. LOGGETの実行

- (1) 「Logget」ボタンを押す

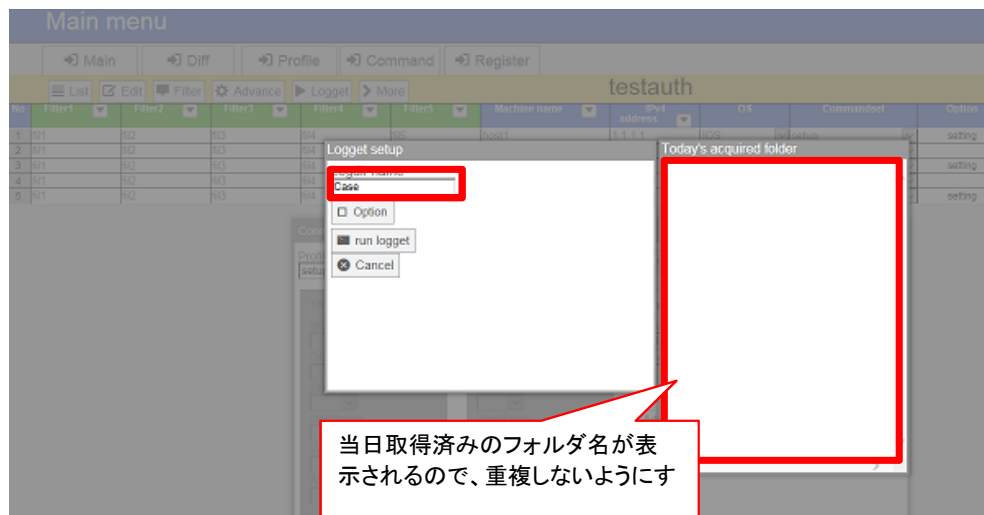


- (2) 「Logdir Name」にフォルダ名を入力する

※ここで決めたフォルダ名は、取得したログを配置するディレクトリ名に使われる

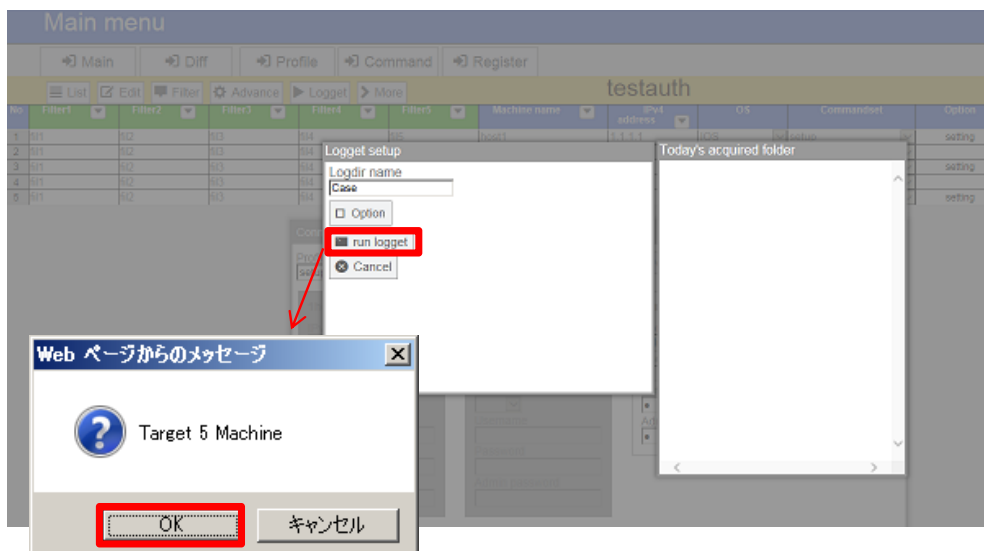
例) 「H0GE」とした場合

C:\¥Libra¥logget¥<YYYYMMDD>¥**H0GE**¥cmd... log

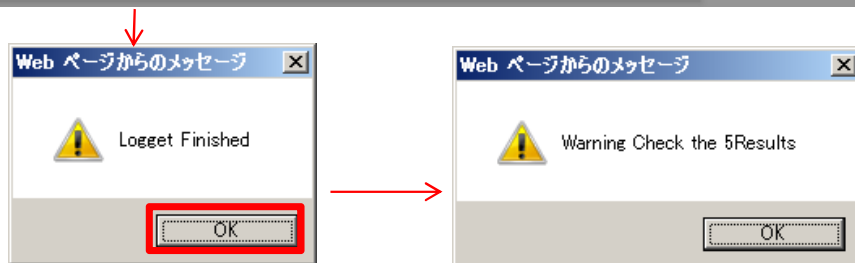
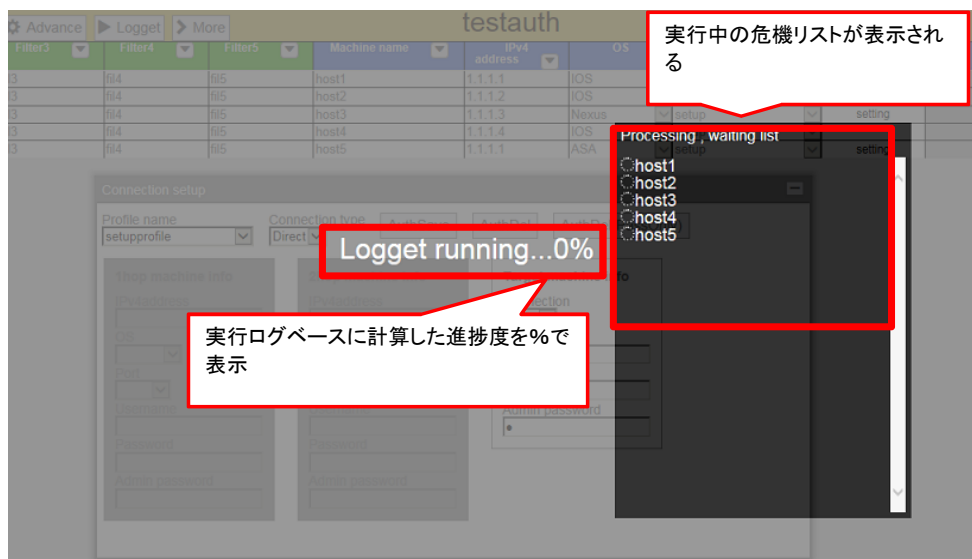


当日取得済みのフォルダ名が表示されるので、重複しないようにす

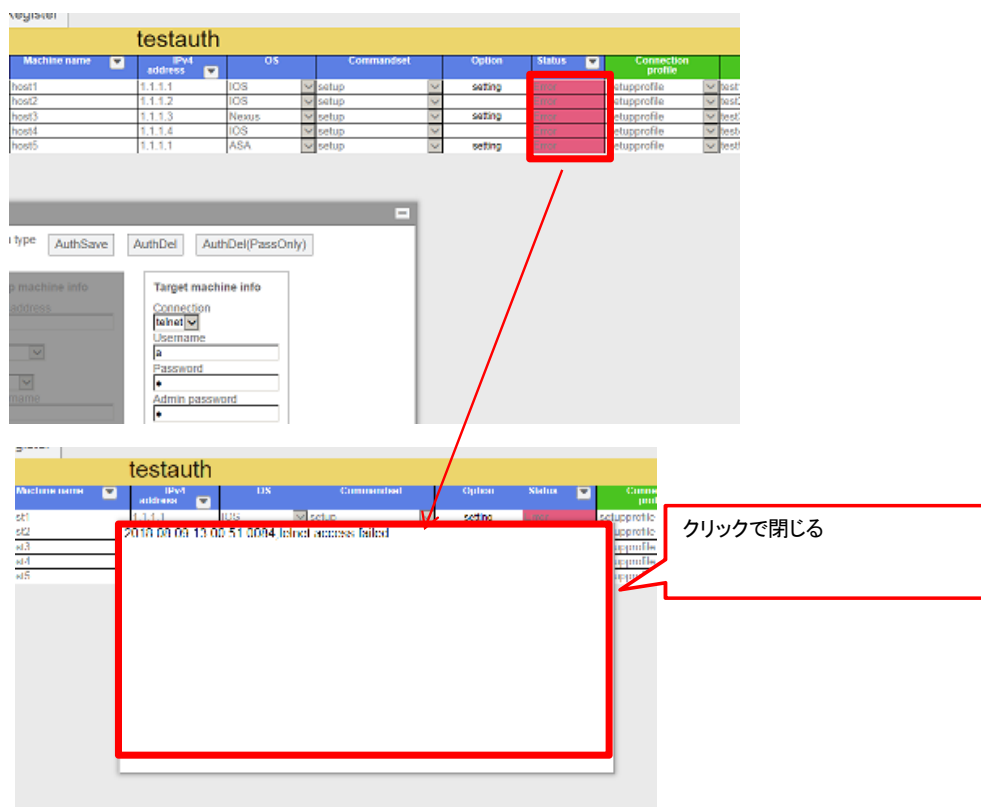
- (3) 「run logget」ボタンを押すとポップアップで実行対象数が表示されるため、確認後、「OK」を押す



- (4) Loggetが実行される。
 実行が終了するまで待つ
 終了後ポップアップが表示されるので確認後「OK」を押す
 ログ取得に何かのエラーがある場合はエラー件数が表示される



- (5) 実行結果がStatus列に表示される
 「Error」、「Warning」の場合は、クリックで事由が表示される



1-4. 取得したログの確認

(1) ログの出力先はRootfolderの指定によって異なる

・フォルダを指定していない場合は「C:\Libra\logget\<YYYYMMDD>\<フォルダ名>」配下に格納される

| testauth | | | | | | | |
|--------------|-------|------------|---------|--------|--------------------|-------------|--|
| IPv4 address | OS | Commandset | Option | Status | Connection profile | Root folder | |
| 1.1.1.1 | IOS | setup | setting | Error | setupprofile | test1 | |
| 1.1.1.2 | IOS | setup | setting | Error | setupprofile | test2 | |
| 1.1.1.3 | Nexus | setup | setting | Error | setupprofile | test3 | |
| 1.1.1.4 | IOS | setup | setting | Error | setupprofile | | |
| 1.1.1.1 | ASA | setup | setting | Error | setupprofile | | |

| ター > Windows7_OS (C:) > Libra > logget > 20180809 > case > | |
|--|------------------|
| 共有 | 新しいフォルダー |
| 名前 | 更新日時 |
| host4 | 2018/08/09 14:21 |
| host5 | 2018/08/09 14:21 |

・フォルダを指定している場合は「C:\Libra\logget\<YYYYMMDD>\<フォルダ名>」配下に格納される

| testauth | | | | | | | |
|--------------|-------|------------|---------|--------|--------------------|-------------|--|
| IPv4 address | OS | Commandset | Option | Status | Connection profile | Root folder | |
| 1.1.1.1 | IOS | setup | setting | Error | setupprofile | test1 | |
| 1.1.1.2 | IOS | setup | setting | Error | setupprofile | test2 | |
| 1.1.1.3 | Nexus | setup | setting | Error | setupprofile | test3 | |
| 1.1.1.4 | IOS | setup | setting | Error | setupprofile | | |
| 1.1.1.1 | ASA | setup | setting | Error | setupprofile | | |

A screenshot of a Windows Explorer window. The address bar at the top shows the path: コンピューター > Windows7_OS (C:) > Libra > logget > 20180809. Below the address bar, there are buttons for 'グラフィック追加', '共有', and '新しいフォルダー'. The main area displays a list of files and folders. The list has three columns: '名前' (Name), '更新日時' (Last Modified), and '種類' (Type). The files listed are 'case', 'test1', 'test2', 'test3', and '20180809_result'. A red arrow points to the 'test2' file. The file '20180809_result' is a text file, while the others are folders or files. The left sidebar shows 'このコンピュータ' (This Computer) and '最近の場所' (Recent Places).

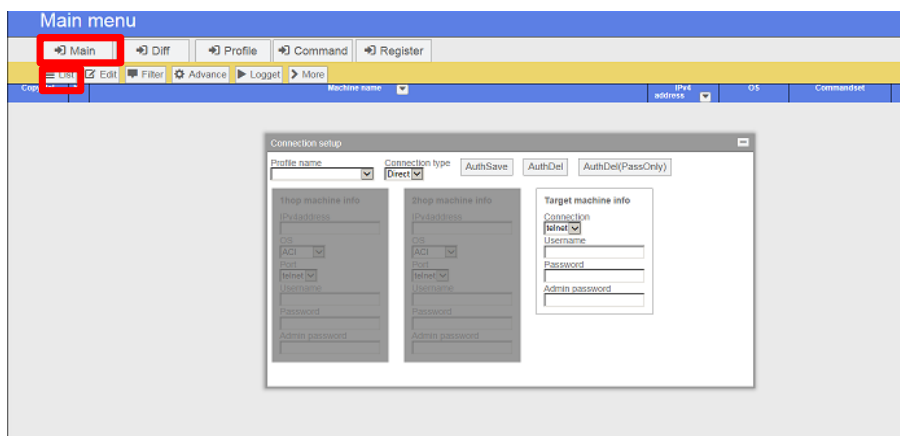
| 名前 ▲ | 更新日時 | 種類 |
|-----------------|------------------|------|
| case | 2018/08/09 14:21 | ファイル |
| test1 | 2018/08/09 14:21 | ファイル |
| test2 | 2018/08/09 14:21 | ファイル |
| test3 | 2018/08/09 14:21 | ファイル |
| 20180809_result | 2018/08/09 14:21 | テキスト |

Libra使用手順書

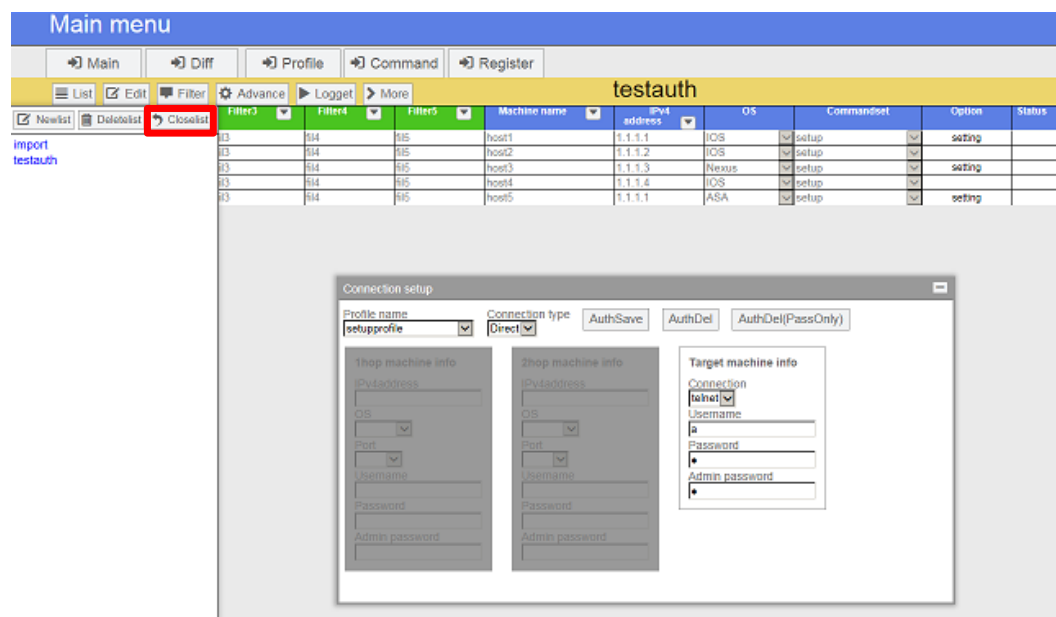
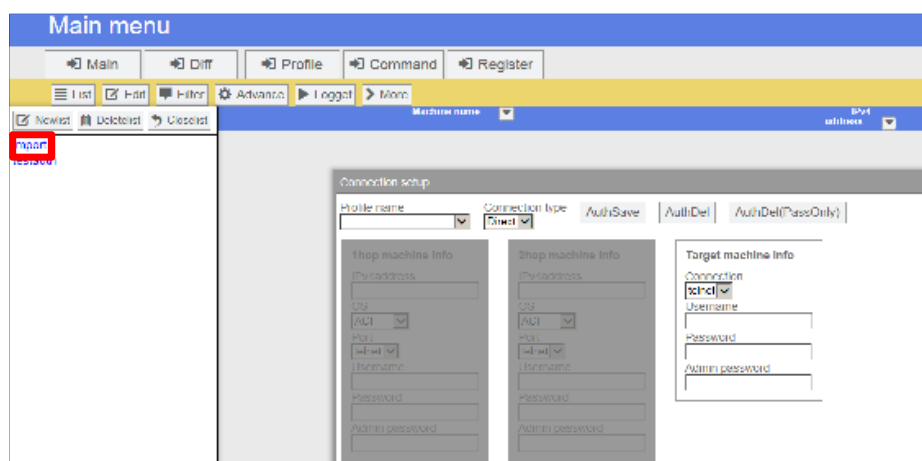
1.Libraからteratermの起動

1-1. 対象のリストを開く

- (1) 「Main」ボタンを押し、MainMenu画面を開く
「List」ボタンを押し、Listの一覧を開く

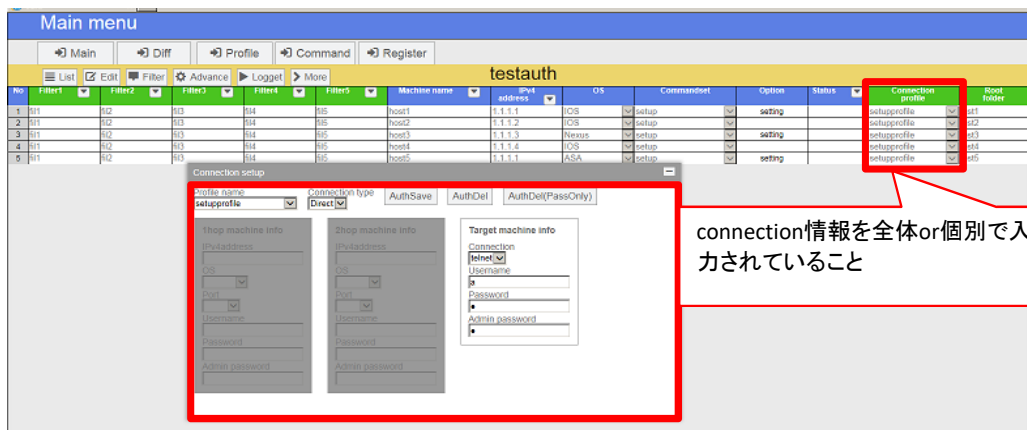


- (2) 実行対象のList名を押す
「CloseList」を押してリスト一覧を閉じる

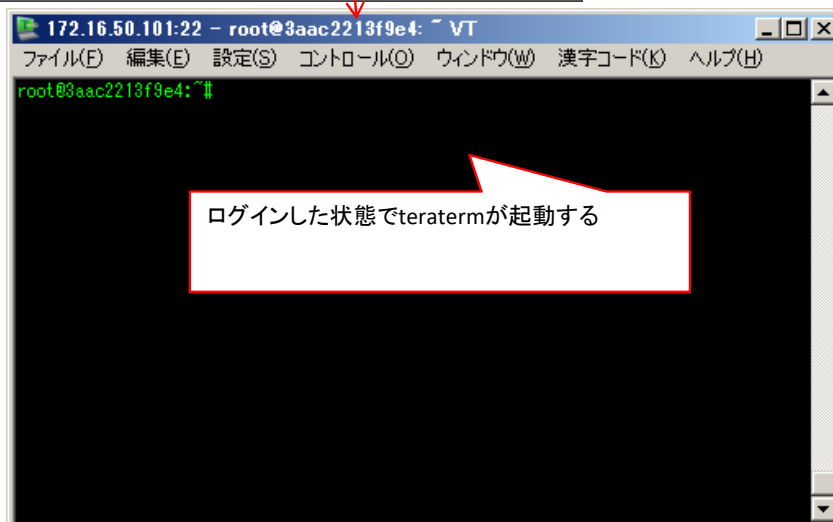
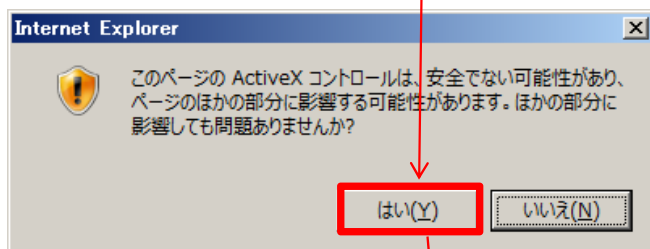
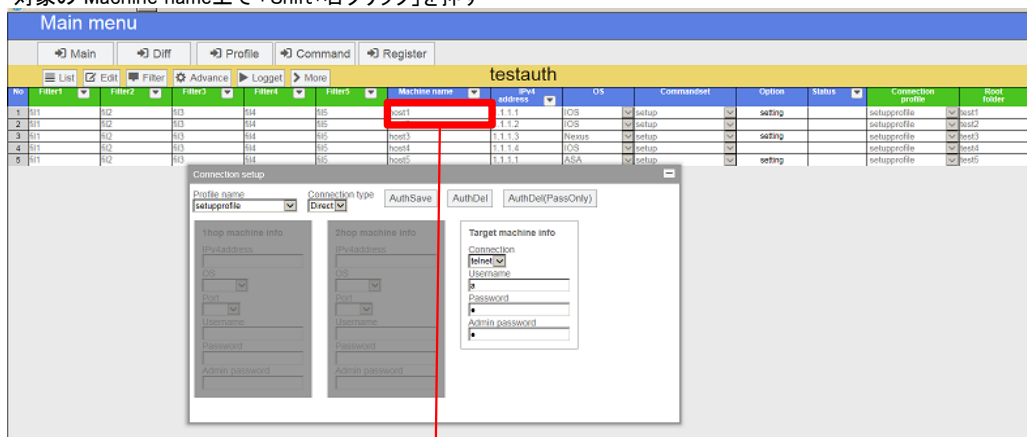


1-2. 対象機器でteraterm起動

(1) いずれかのProfileが入力されていること



(2) 対象の Machine name上で「Shift+右クリック」を押す



1-3. 操作ログの確認

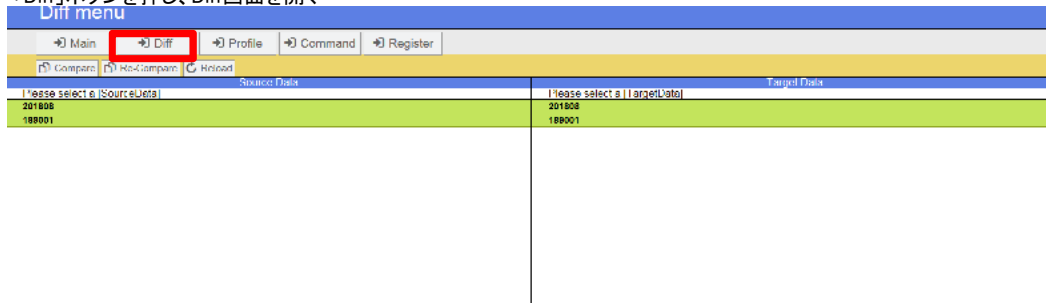
- (1) この機能で起動したteraterm内の実行コマンドは下記にログとして出力される
C:¥Libra¥access¥

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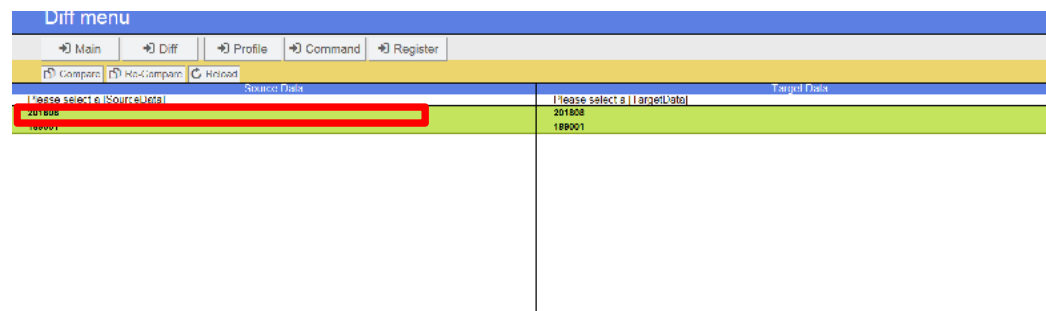
1.ログ比較

1-1. 比較対象の決定

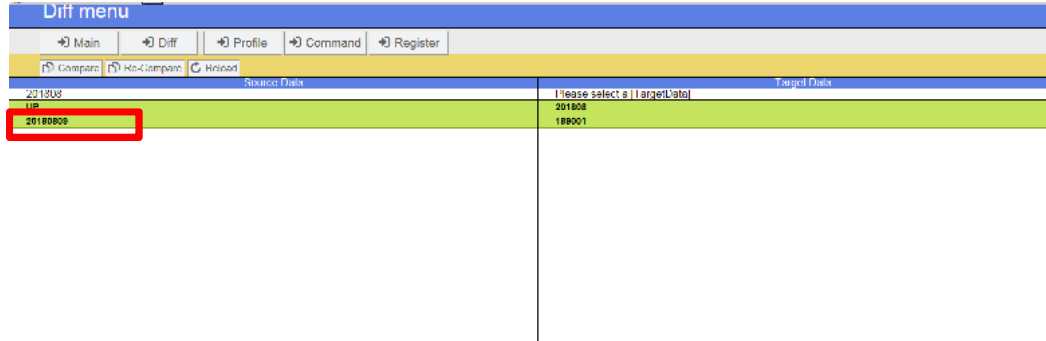
- (1) 「Diff」ボタンを押し、Diff画面を開く



- (2) 比較元フォルダの決定
対象の年月をWクリックする



- ・年月日をWクリックする



- ・対象ディレクトリ名をクリックして色が変わることを確認する
- ・選択したディレクトリと

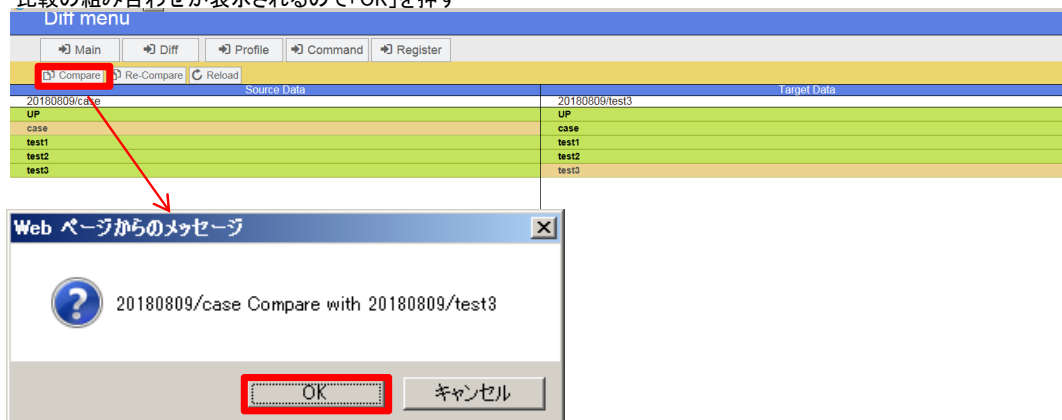
| Diff menu | |
|------------------------------------|------------------------------|
| Main Diff Profile Command Register | |
| Compare Re-Compare Reload | |
| Source Data | Target Data |
| 20180809/case | Please select a [TargetData] |
| case | 201808 |
| test1 | 189001 |
| test2 | |
| test3 | |

- ・右側のTarget Dataについても同様に選択する

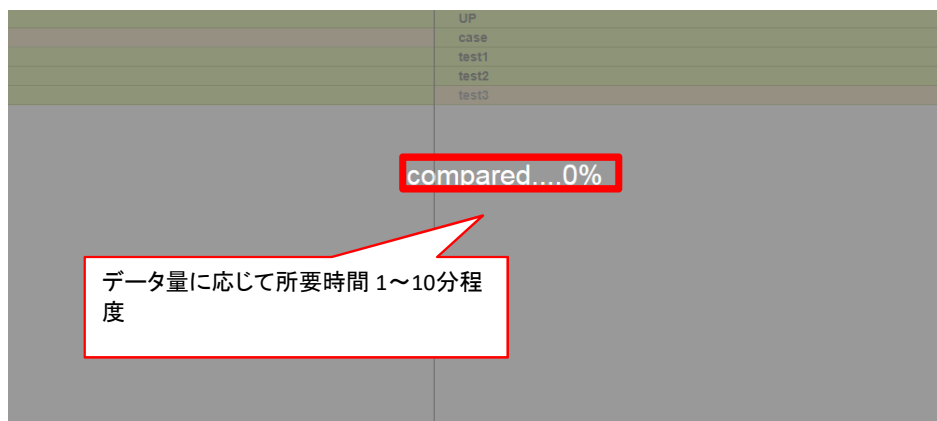
| Diff menu | |
|------------------------------------|----------------|
| Main Diff Profile Command Register | |
| Compare Re-Compare Reload | |
| Source Data | Target Data |
| 20180809/case | 20180809/test3 |
| UP | UP |
| case | case |
| test1 | test1 |
| test2 | test2 |
| test3 | test3 |

1-2. 比較実行

- (1) 「Compare」ボタンをクリック
比較の組み合わせが表示されるので「OK」を押す



- (2) 比較実施画面 終了後に別タブで結果画面が開く



1-3. 比較結果画面

(1) 画面例1

| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 |
| 1 | host1 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 2 | host2 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 3 | host3 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 4 | host4 | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! | ! |
| 5 | host5 | OK | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

result列: 対象機器で比較したコマンドの結果のサマリ。

OK : コマンド差分なし

NG : コマンド差分あり

! : 比較処理エラー

コマンド別の比較結果

○ : 差分なし

× : 差分あり

N/A : 比較対象コマンドが取得できていない
(ログがない)

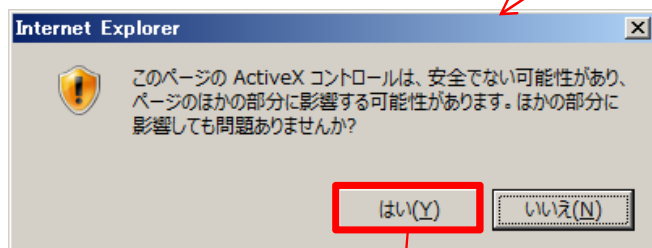
- : 比較しない設定のコマンド

! : 比較処理で異常終了

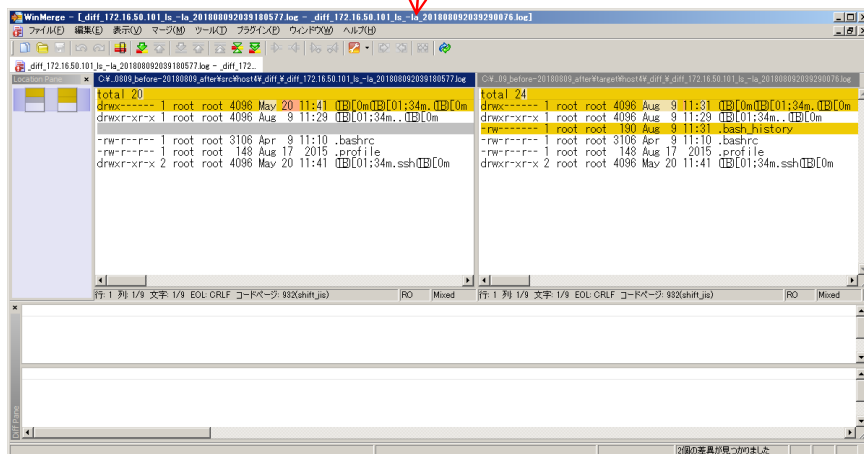
(2) 画面例2

| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 |
| 1 | host1 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 2 | host2 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 3 | host3 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 4 | host4 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 5 | host5 | OK | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

比較結果が×のとき、該当セルで右クリックすることでwinmergeを開くことができる



※間違えていいえを押した場合はF5で更新後にもういちど操作する



| | | 20180809_before-20180809_after | | | | | | | | | | | | | | | | | | | | | | | | |
|----|--------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| No | Machine Name | Result | Cmd001 | Cmd002 | Cmd003 | Cmd004 | Cmd005 | Cmd006 | Cmd007 | Cmd008 | Cmd009 | Cmd010 | Cmd011 | Cmd012 | Cmd013 | Cmd014 | Cmd015 | Cmd016 | Cmd017 | Cmd018 | Cmd019 | Cmd020 | Cmd021 | Cmd022 | Cmd023 | Cmd024 |
| 1 | host1 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 2 | host2 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 3 | host3 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 4 | host4 | NG | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| 5 | host5 | OK | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

winmergeで確認した箇所は緑に変化する
※保存されないため、再度開いた場合は赤色

1-4. 過去結果確認

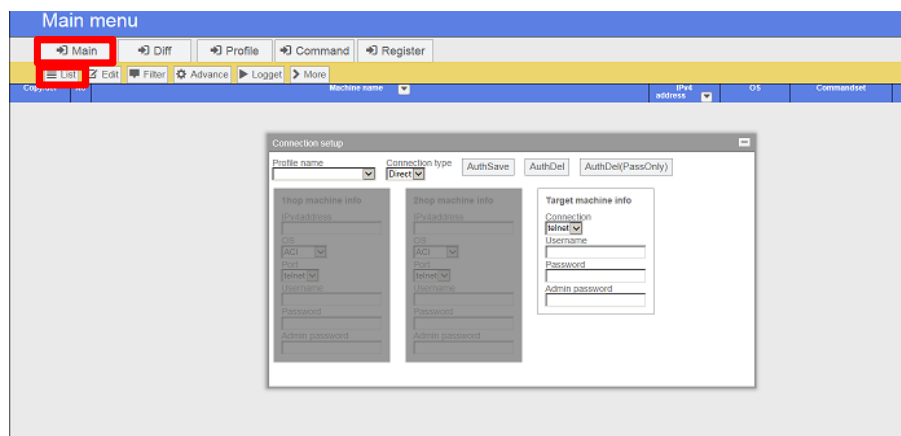
- (1) 過去の結果は下記ディレクトリに格納されている
「C:¥Libra¥logget¥diffresult¥」
フォルダ内にあるHTMLを開くと再度比較結果を確認することができる

Libra使用手順書

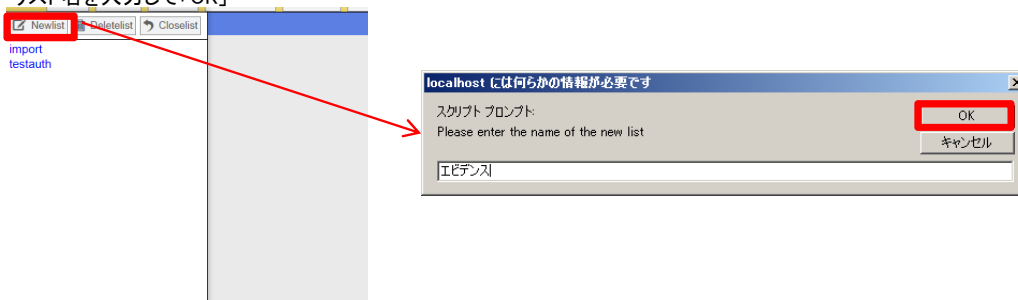
1.リストの編集

1-1. 新規リストの追加

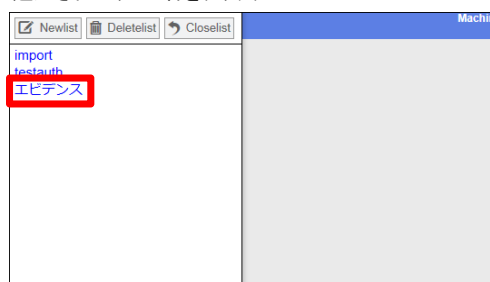
- (1) 「Main」ボタンを押し、Mainmenu画面を開く
「List」ボタンをクリック



- (2) 「Newlist」をクリック
リスト名を入力して「OK」

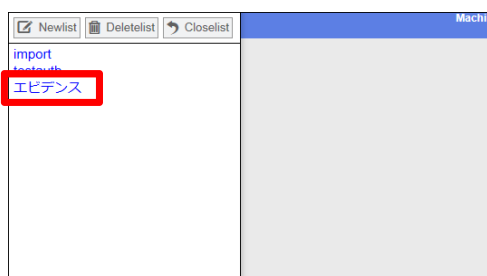


- (3) 追加されたリスト名をクリック



1-2. リストの編集

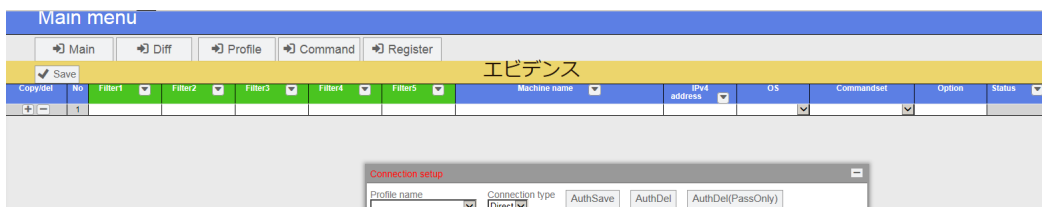
- (1) 該当のリストをクリックし、「Closelist」をクリック



- (2) 「Edit」をクリックし、Editモードに入る
Advance機能を使う場合はAdvanceをクリックしたあとにEditをクリック



- (3) 各項目を入力し、「Save」を押して保存する
行を追加/削除するには、Copy/delの「+」「-」を押す



Filter1~5: ブランク可
任意の値

Machinename: ブランク不可
リスト内で一意の値。
取得するログが保管される際のフォルダ名に使用する
フォルダ名に使用できない文字は指定できない

IPv4address: ブランク不可

OS: セレクトボックスから選択

Command: セレクトボックスから選択

Option: ブランク可能

- IOS.Nexusno場合にvrfに実行したいコマンドを設定できる

- ASAの場合、systemに実行するコマンド、contextに実行するコマンドをそれぞれに設定可能

LoginProfile(Advance): この行だけに適用するProfileを設定できる

RootFolder: この行だけ配置するフォルダ名をここで指定した場所へ変更する

1-3. リストのインポート

(1) インポートファイルの準備

【フォーマット】

フィルタ1,フィルタ2,フィルタ3,フィルタ4,フィルタ5,Machinename,Ippaddress,OS,Command,option,Loginprofile,Rootfolder
例)

fil1,fil2,fil3,fil4,fil5,host5,1.1.1.5,ASA,setup,system=>setup|context=>setup,setupprofile,test5

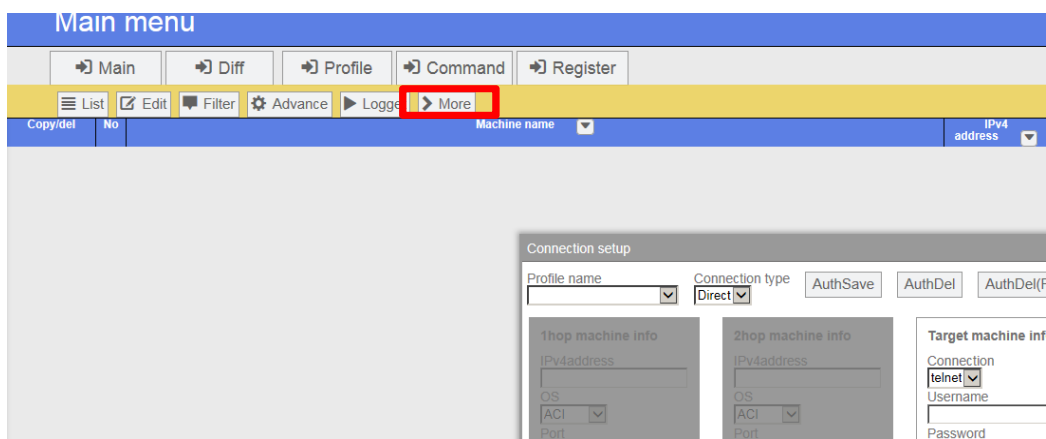
【ファイル名形式】

リスト名.csv

【配置場所】

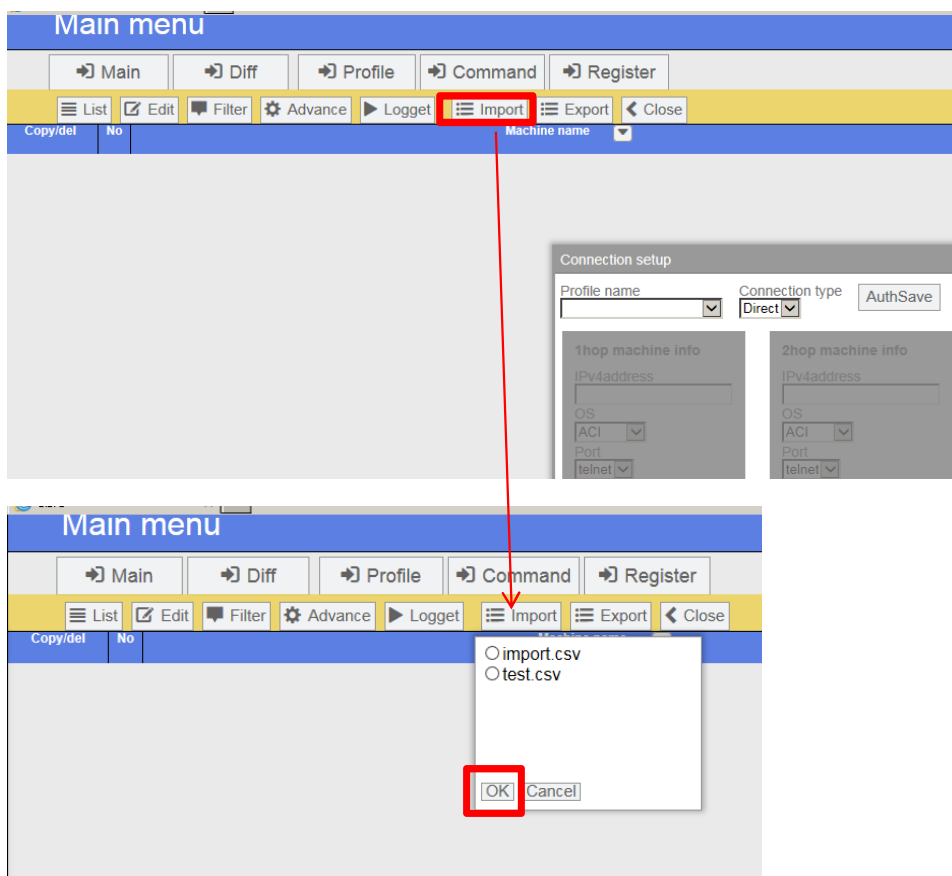
C:\C:\Libra\import\list\

(2) 「More」をクリック



(4) 「import」をクリック

C:\C:\Libra\import\list\に配置したファイルの一覧が開く
該当のリストを選択し「OK」



Libra使用手順書

1. コマンドセットの編集

1-1. 新規コマンドセットの追加

- (1) 「Command」ボタンを押し、Commandset画面を開く

Command set

Main Diff Profile **Command** Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | Setup | Nexus | |

- (2) 「NewCommandset」をクリック

Command set

Main Diff Profile Command Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | Setup | Nexus | |

- (3) 「Name」に一意の名前を入力する

「OS」から作成対象のOSを選択する

Cmd001～Cmd040に、対象のコマンドを選択する(Registerに登録されているコマンドが選択可能)

※ログ取得時はここで設定した番号順で、コマンドを実行する

Create Commandset

Name: demoCMD OS: IOS Filter:

| | | | |
|--------|--------------------------------------|--------|--|
| Cmd001 | dir all | Cmd002 | |
| Cmd003 | dir | Cmd004 | |
| Cmd005 | sh pppoe session | Cmd006 | |
| Cmd007 | sh version | Cmd008 | |
| Cmd009 | show access-list | Cmd010 | |
| Cmd011 | show arp | Cmd012 | |
| Cmd013 | show bfd neighbors detail | Cmd014 | |
| Cmd015 | show bfd neighbors | Cmd016 | |
| Cmd017 | show bridge | Cmd018 | |
| Cmd019 | show buffers usage | Cmd020 | |
| Cmd021 | show buffers | Cmd022 | |
| Cmd023 | show cdp neighbors | Cmd024 | |
| Cmd025 | show clock | Cmd026 | |
| Cmd027 | show crypt isakmp sa detail | Cmd028 | |
| Cmd029 | show crypto engine connection active | Cmd030 | |
| Cmd031 | show crypto ipsec sa | Cmd032 | |
| Cmd033 | show crypto isakmp sa detail | Cmd034 | |
| Cmd035 | show crypto isakmp sa | Cmd036 | |
| Cmd037 | show crypto session detail | Cmd038 | |
| Cmd039 | show diag | Cmd040 | |

Note:

Save Cancel

選択式で、途中まで入力することで絞り込み可

(4) 「Save」をクリックして、保存する

Create Commandset

NamedemoCMDOSIOSFilter

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show arp | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note

☒ Save

Command set

MainDiffProfileCommandRegister

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|--------------------------|----|--------|-----------------|---------|------|
| <input type="checkbox"/> | | | setup | Nexus | |
| <input type="checkbox"/> | | | demoCMD | IOS | |

1-2. コマンド編集

- (1) 該当のコマンドセットをWクリックする

| Command set | | | | | |
|------------------------------------|----|--------|-----------------|---------|------|
| Main Diff Profile Command Register | | | | | |
| NewCommandset | | | | | |
| copy | No | Filter | Commandset Name | OS type | Note |
| + | | | Setun | Nexus | |
| + | | | demoCMD | OS | |

- (2) 編集後、「Save」をクリック

Create Commandset

Name: demoCMD OS: IOS Filter: Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note: Save Cancel

1-3. コマンドセット削除

(1) 該当のコマンドセットをWクリックする

Command set

Main Diff Profile Command Register

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | OS | |

(2) [Delete]ボタンをクリック

Create Commandset

Name: demoCMD OS: iOS Filter:

Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note:

Save Cancel

- (2) [Delete]ボタンをクリック


Create Commandset

Name

demoCMD

OS

Filter

 Delete

| | | | |
|--------|---------------------|--------|---------------|
| Cmd001 | show running-config | Cmd002 | show ip route |
| Cmd003 | show standby brief | Cmd004 | show clock |
| Cmd005 | | Cmd006 | |
| Cmd007 | | Cmd008 | |
| Cmd009 | | Cmd010 | |
| Cmd011 | | Cmd012 | |
| Cmd013 | | Cmd014 | |
| Cmd015 | | Cmd016 | |
| Cmd017 | | Cmd018 | |
| Cmd019 | | Cmd020 | |
| Cmd021 | | Cmd022 | |
| Cmd023 | | Cmd024 | |
| Cmd025 | | Cmd026 | |
| Cmd027 | | Cmd028 | |
| Cmd029 | | Cmd030 | |
| Cmd031 | | Cmd032 | |
| Cmd033 | | Cmd034 | |
| Cmd035 | | Cmd036 | |
| Cmd037 | | Cmd038 | |
| Cmd039 | | Cmd040 | |

Note

☒ Save ☐ Cancel

1-4. 既存のコマンドセットをコピーして作成する

(1) コピー元とするコマンドセットの「+」ボタンをクリックすることで、新規コマンドをコピーで作成可

Command set

MainDiffProfileCommandRegister

NewCommandset

| copy | No | Filter | Commandset Name | OS type | Note |
|------|----|--------|-----------------|---------|------|
| + | | | setup | Nexus | |
| + | | | demoCMD | IOS | |

Libra使用手順書

1. プロファイルの編集

1-1. 新規プロファイルの追加

- (1) 「Profile」ボタンを押し、Connection profile画面を開く

The screenshot shows the 'Connection profile' window. At the top, there is a navigation bar with buttons: Main, Diff, Profile, Command, and Register. The 'Profile' button is highlighted with a red rectangle. Below the navigation bar, there is a yellow bar with 'NewConnectionprofile' and 'Save' buttons. The main area contains a table with columns: Profile name, Connection type, Hop machine info (IPv4address, OS, Port), Auth group, OS, Option, and Console server info. The first row shows 'setupprofile' as the profile name and 'Direct' as the connection type.

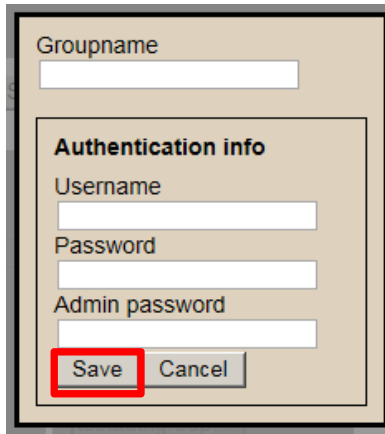
- (2) 「NewConnectionprofile」をクリック

This screenshot is identical to the previous one, but the 'NewConnectionprofile' button in the yellow bar is highlighted with a red rectangle. A red arrow points from this button down towards the 'Set up auth' button in the next screenshot.

- (3) 「Set up auth」をクリック
※既存のAuthgroupを利用する場合は省略可

The screenshot shows the 'Connection setup' window. It has a 'Profile name' text field and a 'Connection type' dropdown menu set to 'Direct'. There are 'Save', 'Cancel', and 'Set up auth' buttons. The 'Set up auth' button is highlighted with a red rectangle. Below these are three panels: '1hop machine info', '2hop machine info', and 'Console server info'. Each panel contains fields for IPv4address, OS (dropdown), Port, and Auth group (dropdown). The 'Console server info' panel also has an 'Option' field. To the right is a 'Target machine info' panel with 'Connection' (telnet), 'Auth group' (testauthgroup), and 'Port' (dropdown) fields. A red arrow points from the 'Set up auth' button to the 'Auth group' dropdown in the 'Console server info' panel.

入力後、「Save」をクリック

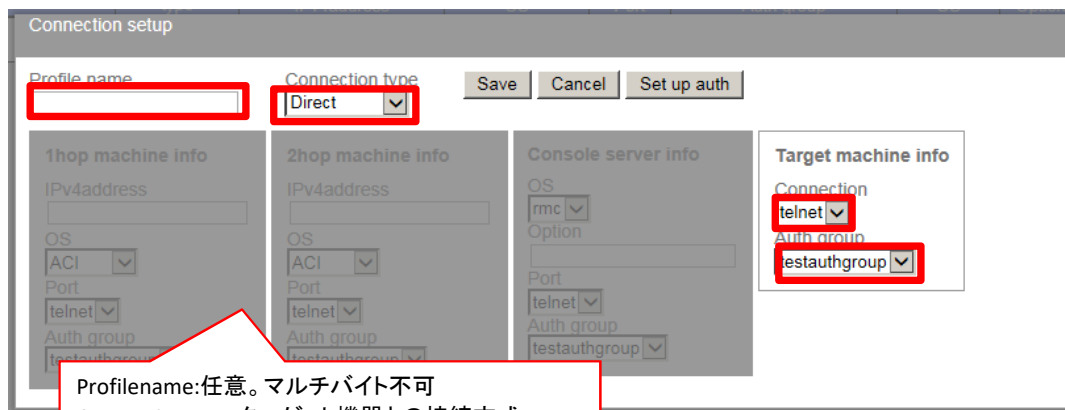


A dialog box titled "Authentication info" with a "Groupname" field at the top. Below it are fields for "Username", "Password", and "Admin password". At the bottom are "Save" and "Cancel" buttons. The "Save" button is highlighted with a red box.

Groupname: 任意、マルチバイト不可
Username: ログインユーザ
Password: ログインパスワード
Adminpassword: enable パスワード

※既存のauth groupの内容を変更する場合は、「Groupname」を同じにすることで上書きすることが可能

(4) Profileを作成する
入力後、「Save」をクリック



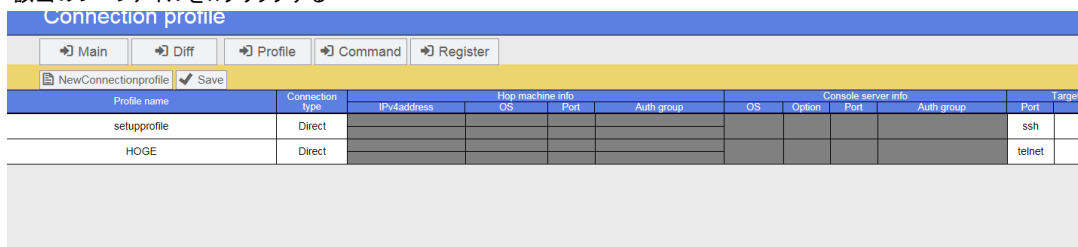
A "Connection setup" dialog box. It has a "Profile name" field (highlighted with a red box) and a "Connection type" dropdown menu (set to "Direct", also highlighted with a red box). There are "Save", "Cancel", and "Set up auth" buttons. Below these are four sections: "1hop machine info", "2hop machine info", "Console server info", and "Target machine info". Each section contains fields for "IPv4address", "OS", "Port", and "Auth group". In the "Target machine info" section, the "Connection" dropdown is set to "telnet" and the "Auth group" dropdown is set to "testauthgroup", both highlighted with red boxes.

Profilename: 任意。マルチバイト不可
ConnectionType: ターゲット機器との接続方式
Direct, 1hop, 2hopから選択する

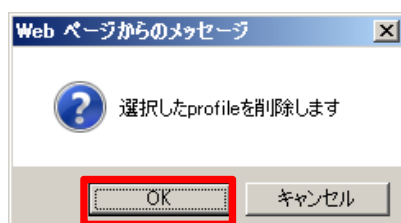
Connection: ログインshellをtelnetかsshで選択する
Authgroup: 作成済みの認証情報を選択する

1-2. プロファイル削除

(1) 該当のプロファイルをWクリックする



A table titled "Connection profile" with tabs for "Main", "Diff", "Profile", "Command", and "Register". The "Profile" tab is selected. Below the tabs is a table with columns: "Profile name", "Connection type", "IPv4address", "OS", "Port", "Auth group", "Option", "Console server info", "Auth group", "Port", and "Target". The table contains two rows: "setupprofile" and "HOGE". The "setupprofile" row has "Direct" as the connection type and "ssh" as the target. The "HOGE" row has "Direct" as the connection type and "telnet" as the target.



A "Web ページからのメッセージ" dialog box. It contains a question mark icon and the text "選択したprofileを削除します". At the bottom are "OK" and "キャンセル" buttons. The "OK" button is highlighted with a red box.

Libra使用手順書

1.レジスターコマンドの編集

1-1. 新規レジスターコマンドの追加

- (1) 「Register」ボタンを押し、Command register画面を開く
「New」をクリック

| Command register | | | | | |
|------------------------------------|--------|-----------------------------------|---------|---------|------|
| Main Diff Profile Command Register | | | | | |
| New Import | | | | | |
| No | Filter | Command String | OS Type | Compare | Note |
| 1 | | cat /proc/cpuinfo | ACI | No | |
| 2 | | cat /proc/meminfo | ACI | No | |
| 3 | | free | ACI | No | |
| 4 | | show bgp ipv4 unicast vrf all | ACI | Yes | |
| 5 | | show bgp sessions vrf all | ACI | Yes | |
| 6 | | show bgp vpnv4 unicast vrf all | ACI | Yes | |
| 7 | | show cdp neighbors | ACI | Yes | |
| 8 | | show copp policy stats | ACI | Yes | |
| 9 | | show diagnostic result module all | ACI | Yes | |
| 10 | | show endpoint summary | ACI | Yes | |
| 11 | | show endpoint | ACI | Yes | |
| 12 | | show environment | ACI | Yes | |
| 13 | | show hardware | ACI | Yes | |
| 14 | | show interface counters errors | ACI | Yes | |
| 15 | | show interface status | ACI | Yes | |
| 16 | | show interface trunk | ACI | Yes | |
| 17 | | show interface | ACI | Yes | |
| 18 | | show inventory | ACI | Yes | |
| 19 | | show ip arp vrf all | ACI | No | |
| 20 | | show ip bgp neighbors vrf all | ACI | Yes | |
| 21 | | show ip bgp vrf all | ACI | No | vsh |
| 22 | | show ip interface brief vrf all | ACI | Yes | |
| 23 | | show ip interface brief | ACI | Yes | |
| 24 | | show ip ospf database vrf all | ACI | No | |
| 25 | | show ip ospf interface vrf all | ACI | Yes | |
| 26 | | show ip ospf neighbors vrf all | ACI | Yes | |

灰色行は比較をしない設定のコマンド
(Compare列がNo)

- (2) (比較しない設定の場合)
「CommandString」に実行コマンドを入力
Ostypeに該当OSを選択する
Saveをクリック

The command create

Basic Information on the command

No 411

Command String

OS Type

ACI

Compare

No

Command Memo

Filter

Note

✓ Save

✓ Cancel

- (3) (比較する設定の場合)
「CommandString」に実行コマンドを入力
Ostypeに該当OSを選択する
CompareをYesに設定する
下記、青枠の情報を入力する(必要のない部分は空白可)
「Save」をクリック

The command create

Basic Information on the command

No **411** Command String

OS Type **ACI** Compare **Yes**

Command Memo

Filter

Note

Comparative rule (Processing order)

| Start Line | Stop Line | Grep | Grep -V | Replace | Sort |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

☒ Save ☒ Cancel

Compare ruleで比較前のログ編集を定義する

StartLine:ログの比較開始行番号、または文字列
StopLine:ログの比較終了行番号、または文字列
Grep:ログの比較対象行をgrepのキーワードで絞り込みを行う
Grep-v:ログの比較対象行をgrep-vのキーワードで絞り込みを行う
Replace:ログを特定のキーワードに一致する部分を別の文字で置き換える
Sort:ログを並び替える