

TECHNICAL INFORMATION

TI-V-Power Cloud-0001v100EN

VPN Connection V-Connect / V9

Type Software version Required options Use Date Version Author Revised Approved Languages V-Power Cloud All versions Not required Fuji technical staff 25/02/2016 1.0.0 xxxxxxxx xxxxxxxx xxxxxxxx English

Introduction.

- It is needed: V-Connect software, VPN license, log into the "V-Power Cloud" authentication server from the "V-Connect" management tool, settings in the V9 local menu.
- * Always log in (in V-Connect) using the administrator ID immediately after domain creation.

Procedure.

1- Install and start V-Connect.

2- Enter the information (domain name/user ID/password) for the registered domain. To avoid having to enter the domain name and user ID from the next time V-Connect is started, select the [Remember the domain name and user ID] checkbox.

| V-Connect Login Ver.1. | 1.2.0 × |
|------------------------|--|
| Domain name | TEST255 |
| User ID | USERTEST01 |
| Password | ***** |
| | ☑ Remember the domain name and user ID Option(O) ▼ |
| New domain(D) |) OK Cancel |



- MONITOUCH
- 3- Configure the proxy settings and option settings.

| V-Connect Login Ver.1.1 | .20 |
|-------------------------|--|
| Domain name | TEST255 |
| User ID | USERTEST01 |
| Password | ****** |
| | Remember the domain name and user ID Option(0) □ □ □ |
| New domain(D) | OK Cancel Proxy settings(P) |

Proxy Settings:

| $_{\odot}$ Direct connection to internet(D) | |
|---|--------------|
| Onnect to internet via HTTP pro | xy server(T) |
| Host name(H) | |
| Port number(N) | |
| User(U) | (Option) |
| Password(P) | (Option) |
| | |

| Item | | Description |
|-------------------------------|-------------|--|
| Direct connection to internet | | Connect to the Internet directly without using a proxy server in cases such as when connecting to a mobile router. |
| Connect to internet via HTTP | Host name | Set the IP address of the proxy server. |
| proxy server *1 | Port number | Set the port number of the proxy server. |
| | User | Set the user ID for logging into the proxy server. |
| | Password | Set the password for logging into the proxy server. |

*1 For information on proxy server settings, consult your network administrator.



MONITOUCH

Options Settings:

| Option settings | Palarances | ß |
|--|---------------------------------|-------------|
| Preferences | | |
| Close a window whe Put in the Task Tray | n logout(L) when minimized(M | 1) |
| Refresh cycle of VPN te | erminals status(C) | 5 minutes 👻 |
| | | |
| | | |
| | | OK Cancel |

| Item | Description |
|---------------------------------------|--|
| Close a window when logout | Selected: Close V-Connect after logging out. Unselected: Return to the V-Connect login window after logging out. |
| Put in the Task Tray when minimized | Selected: Display a management tool icon in the task tray when the window is minimized. Unselected: Display the management tool on the task bar when the window is minimized. |
| Refresh cycle of VPN terminals status | Set the cycle for refreshing the status of VPN terminal icons in the tree window. The information window is also refreshed when a VPN terminal is selected. None (no automatic refresh) ^{*1} /1 minute/5 minutes/10 minutes/30 minutes/60 minutes |

*1 Refresh the status by clicking [View] \rightarrow [Refresh].

4- Return to the [V-Connect Login] window and click [OK].

| 🥸 V-Connect Login Ver.1. | 1.2.0 | x |
|--------------------------|--|---|
| | | |
| Domain name | TEST255 | |
| User ID | USERTEST01 | |
| Password | ***** | |
| | ☑ Remember the domain name and user ID Option(0) | ▼ |
| New domain(D) |) OK Cancel | |





5- The following window is displayed after successfully logging in and the following message is displayed if there are no registered access points. Register an access point, VPN terminals, and Users.

| N-Connect - Gustavo | | |
|--|--|--|
| Domain(D) Connection(C) Access points(S) User | (U) View(V) Tool(T) Help(H) | |
| 📑 🎼 Logout 🚸 Connect VPN 💣 Disconnect VPN 🧔 Re | fresh 🛷 Proxy settings 🛔 Option settings | |
| TEST255 | Confirm Access Point Registration No access point is registered. Register an access point and VPN terminal from the [Access point] / [New access point] menu. OK | |

6- Use the "V-Connect" management tool to register access points and VPN terminals to the "V-Power Cloud" authentication server.

Click [Access points] [New access point].

The [Access Point Information] window is displayed and Set the access point information.

| Access Point Information | | 23 |
|--|---------------|----|
| Set the relevant information of the access point. (*: Required) | | |
| Access point name * TEST255 | | |
| IP address * 192 . 168 . 50 . 1 Subnet mask * | 255.255.255.0 | |
| DHCP start address * 192.168.50.10 DHCP assignment * ip address number | 100 | |
| Allowable number of additional 5 VPN terminals | | |
| Registered VPN terminals in domain 0 Additional number | 5 Add | |
| VPN terminals registered 0 of VPN terminals for this access point | JAdd | |
| Active ID VPN Terminal name | | |
| | | |
| CSV output | OK Cancel | |





| Item | Description | Remarks |
|---|---|--|
| Access point name | Access point name | Maximum of 100 characters |
| IP address | Virtual IP address of the access point *1 | IPV4 address classes A through C can be specified. |
| Subnet mask | Subnet mask of the access point | |
| DHCP start address | Start IP address used when allocating virtual IP addresses ^{*1} of VPN terminals (V9) using DHCP | |
| DHCP assignment IP address number | Maximum number of VPN terminals for allocating virtual IP addresses ^{*1} using DHCP | 0 to 254 |
| Allowable number of additional VPN terminals | Allowable number of additional VPN terminals that can be registered | 0 to 999 *2 |
| Registered VPN terminals in domain | Number of VPN terminals that can be registered to the domain | |
| VPN terminals registered for this access point | Number of VPN terminals registered to the selected access point | |
| Additional number of VPN terminals | Register additional VPN terminals | 0 to 999 *2 |
| CSV output | Output VPN terminal information to CSV file | |

*1 Virtual IP addresses

IP addresses that are only allocated for the purpose of VPN connection. These IP addresses cannot be used for any other purpose. The maximum number differs depending on the license type. Refer to "1.1.3 License" *2

7- Register VPN terminals (V9). Enter a value for [Additional number of VPN terminals] and click [Add].

The number of specified VPN terminals are temporarily registered.

| A V | llowab PN teri | le number of additional minals | 0 | | | | |
|--------|-------------------|-----------------------------------|-----------|----------------|------|--------|---|
| R | egister | ed VPN terminals in domain | 0 | Additional num | her | | |
| ۷ | PN ter | minals registered | 0 | of VPN termina | ls | Add | |
| fo | or this a | access point | | | | | |
| | | Active ID | VPN Termi | nal name | | | Â |
| | ÷ | 6TChV02SgSS909A1 | TERM006 | | Edit | Delete | |
| | + | 6TChV02cgSj319A1 | TERM007 | | Edit | Delete | E |
| | + | 6TChV02LgCS919A1 | TERM008 | | Edit | Delete | |
| | ÷ | 6TChV02cgSS529A1 | TERM009 | | Edit | Delete | - |
| | CSV o | utput | | | ОК | Cancel | |

8- If VPN terminal information requires modification, click [Edit] to modify and [OK] to accept the changes.

| (*: Required) | | | | |
|---------------------|---------------|----------------|--|--|
| Active ID | 6TChV02SgSS90 | 9A1 | | |
| VPN terminal name * | TERM006 | | | |
| | OHCP | ic IP | | |
| IP address | | | | |
| Subnet mask | | | | |
| Local network1 | | Local network2 | | |
| | | Subnet mask | | |
| Subnet mask | | | | |





| Item | Description | Remarks | | |
|---|--|---|--|--|
| Active ID | VPN terminal ID This ID is automatically issued by the authentication server. | Registered VPN terminals can be updated by clicking [Delete] \rightarrow [Add]. | | |
| VPN terminal name | Name of the VPN terminal | | | |
| DHCP ^{*1} Static IP ^{*2} | IP address allocation method for the VPN terminal | [DHCP]: Automatically issued from the server | | |
| IP address | IP address of the VPN terminal | [Static IP]: User-defined | | |
| Subnet mask | Subnet mask of the VPN terminal | | | |
| Local network1 | Address of local network 1 of the VPN terminal | Settable with LAN2CH and LAN3CH | | |
| Subnet mask | Subnet mask of local network 1 of the VPN terminal | types | | |
| Local network2 | Address of local network 2 of the VPN terminal | Settable with LAN3CH type | | |
| Subnet mask | Subnet mask of local network 2 of the VPN terminal | | | |

*1 The IP address may change because it is automatically allocated by the server.

*2 The set IP address and subnet mask are always allocated.

9- When all VPN terminal settings are configured, click [OK]. The access point and VPN terminal are registered to the authentication server.

10- Connect the "V-Connect" management tool to the "V-Power Cloud" access point. Select an access point in the tree window. Click the [Connect VPN] icon or [Connection] • [ConnectVPN]. A VPN connection is established.

| N-Connect - Gustavo | MOLIFOR | | | | - | | - • × | |
|--|--|------------------|---|-----------------------------|------------|------------|-------------|--|
| Domain(D) Connection(C) Access points(S) User(U) View(V) Tool(T) Help(H) | | | | | | | | |
| 😥 Logout 🐟 Connect VPN 🖉 Disconnect VPN 🧳 Refresh 🛷 Proxy settings 🛓 Option settings | | | | | | | | |
| | Access point name IP address Subnet mask DHCP Start Address | | TEST255 192.168. 255.255. 192.168. | 5 50.1 255.0 50.10 | | | | |
| TERM008 TERM009 TERM010 | DHCP assignment ip a | address number | 100 estination | n Se | lect All | Cancel All | | |
| | VPN Terminal name | Active ID | Туре | IP address | SubnetMask | routing | LocalNetwor | |
| | TERM006 | 6TChV02SgSS909A1 | DHCP | | | V | | |
| | TERM007 | 61ChV02cgSj319A1 | DHCP | | | V | | |
| | TERM008 | 6TChV02LgCS919A1 | DHCP | | | V | | |
| | TERM009 | GTCHV02cgSS529A1 | DHCP | | | V | | |
| | | 117 | DITCF | | | | + | |
| VPN Connect: None | | | | | | | | |



The green icon shows that a connection is established.





11- Connect into the "V-Power Cloud" authentication server from V9 OS.Enter in V9 local mode.Configure LAN settings in order to connect V9 to internet. It is possible to set IP manually or using DHCP.Save changes pressing apply button.

| | LAN Setting | | 2016-02-2 | 5 13:02:20 |
|--|--|----------------|-----------------|-------------|
| RUN System Information Q Language Setting LAN Setting | IP Setting Speed Auto 10Base IP Address Setting Manual Auto IDBase | | | |
| | LAN Setting | | 2016-02- | 25 13:06:22 |
| RUN | IP Network Table Option | | | |
| System Information | IP Address 10.223.22.202 | External Acce | 10000 | |
| O | Subnet Mask 255.255.255.0 | Time-Out | 15 | *sec |
| Setting | Gateway 10.223.22.1 | Patricla | [| |
| LAN Setting | MAC Address 00:50:FF:02:9F:E7 | Retriais | 3 | |
| LAN2 Setting | Network Table | Vet Mask Gat | te Way Servio | ce Port |
| WLAN Setting | | | | |
| | | | | |
| Setting | | | S Cancel | 🕑 Apply |

12- Configure the VPN.

To enable the VPN settings use the upper slider switch and select [Valid].

Choose the LAN port which is connected to internet and fill the DOMAIN NAME and ACTIVE ID from your VPN domain data..

Then Press [Connect] to establish the VPN connection.

When connection is established, the IP Adress for VPN, Subnet Mask and VPN terminal name are shown in their respective fields.



MONITOUCH

| D | VPN Setting | , | 2016-02-25 13:16:29 |
|-----------------------|------------------------------|----------------------------|---------------------|
| RUN | Invalid | Valid | |
| 1 | Port for VPN | | |
| System Information | LAN LAN2 | WLAN IP Address: 10.223.22 | .202 |
| Sanguage Setting | VPN Proxy | | |
| | Setting Setting | | |
| LAN Setting | Domain name | TEST255 - | |
| | Active ID | 6TChV02SgSS909A1 | |
| LAN2 Setting | IP Address for VPN | | |
| WLAN Setting | Subnet Mask | | |
| <i>1</i> | | | |
| VPN Setting | | | Unlink Connect |
| D | VPN Setting | | 2016-02-25 13:22:01 |
| RUN | Invalid | Valid | |
| | Port for VPN | | |
| System Information | LAN LAN2 | WLAN IP Address: 10.223.22 | .202 |
| Language Setting | VPN Proxy Setting Setting | | |
| K AN | | | |
| Setting | Active ID | | |
| LAN2 Setting | IP Äddress for VPN | 192.168.50.12 | |
| (P) | Subnet Mask | 255.255.255.0 | |
| | | | |
| WLAN Setting | VPN terminal name | TERM006 | |
| Setting | VPN terminal name | TERM006 | |

Document history.

| Version | Changes applied | Date | Written | Revised | Approved |
|---------|-----------------|-----------|---------|---------|----------|
| 0.0.1 | | 25/2/2016 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



MONITOUCH