
CONFIGURING APPLIANCES FOR OPENVPN

VERSION 1.0

INTRODUCTION

This document describes how to configure a DPU and DPV appliance for OpenVPN.

OPENVPN SCRIPT

The OpenVPN script is used to configure and install OpenVPN on DPU and DPV appliances. The first parameter that should be specified for the OpenVPN script, “openvpnconfig”, is either dpu or dpv. This parameter indicates the appliance where the instructions will be executed.

NOTE: Vaulting must be configured before setting up OpenVPN.

DOWNLOADING THE OPENVPN SCRIPT

Perform the following command to retrieve the OpenVPN script from the Unitrends FTP server:

```
wget ftp://ftp.unitrends.com/dpu/scripts/openvpnconfig -O /usr/bp/bin/openvpnconfig
```

Once downloaded, change the permissions of the script:

```
chmod 755 /usr/bp/bin/openvpnconfig
```

INSTALLING OPENVPN ON THE DPU AND DPV APPLIANCE

To install OpenVPN on the DPU, execute the following:

```
/usr/bp/bin/openvpnconfig dpu install
```

To install OpenVPN on DPV, execute the following:

```
/usr/bp/bin/openvpnconfig dpv install
```

CONFIGURING OPENVPN ON THE DPV APPLIANCE

To configure OpenVPN on the DPV, execute the following:

```
./openvpnconfig dpv setup_vault
```

ADDING ADDITIONAL DPU APPLIANCES TO THE DPV APPLIANCE

Execute the following steps in the order specified to add more DPUs to the configuration. Do not run the ‘setup_vault’ command more than once. If the ‘setup_vault’ command is executed more than once, all of the

appliance certificates and keys will be erased. The <DPU_Virtual_IP> parameter need be supplied after running 'dpu setup'.

On the DPV:

```
/usr/bin/openvpnconfig dpv setup_dpu <DPU_Name>
```

On the DPU:

```
/usr/bin/openvpnconfig dpu install      *Ignore if openvpn has already been installed  
/usr/bin/openvpnconfig dpu setup
```

On the DPV:

```
/usr/bin/openvpnconfig dpv setup_end <DPU_Name> <DPU_Virtual_IP>
```

TROUBLESHOOTING

1. If an error occurs, the correct error message should display in stderr.
2. If OpenVPN is not running after configuration, check to make sure that vaulting has been configured for the DPU and the DPV appliance.
3. If the 'setup_vault' step fails, run the following command:

```
/usr/bin/openvpnconfig dpv stop
```

When the failure has been diagnosed and corrected, run 'setup_vault' again. In this case, if OpenVPN has not been installed, a failure will occur.

4. If the 'setup_dpu' step fails, run the following command:

```
/usr/bin/openvpnconfig dpv scp_off <DPU_Name>.
```

An error may occur in this case if the wrong DPU name is provided.

5. If the 'setup' command on the dpu fails, run the command:

```
/usr/bin/openvpnconfig dpu stop
```

Diagnose and correct the error. If the hosts file has been modified, a backup called hosts.unitrends will be located in the /etc directory.

6. If the configuration completes without error, but is not running, there is a backup hosts file called hosts.unitrends located in the /etc directory.