

phibstest

<https://campus.barracuda.com/doc/48203028/>

The *phibstest* command is used to check authentication, certificate validation, and Online Certificate Status Protocol (OCSP) information on the command line of the Barracuda NextGen Firewall F-Series and NextGen Control Center.

In Barracuda NextGen Admin, you can view the log for the *phibstest* utility in:

Logs > Box > Control > AuthService.

Type the command *phibstest -h* to display the help text that describes all possible options. Use *127.0.0.1* as the IP address if you are logged in directly to the firewall or Control Center.

Options

You can use the following options with *phibstest*:

phibstest 127.0.0.1 s

Displays the current status of the *phibscft* components to verify the working status of authentication schemes, and to perform login and certificate validation checks.

phibstest 127.0.0.1 x

Checks certificate working state and displays certificate details.

phibstest 127.0.0.1 a

Checks the working state of configured authentication schemes against server, service, and user.

You can use the following options with *phibstest 127.0.0.1 a* :

Option	Description
<i>authscheme</i>	The authentication scheme, e.g., <i>msad</i>

<i>server</i>	The virtual server, e.g., <i>S1</i> (for logging only)
<i>service</i>	The configured Barracuda NextGen Firewall F-Series service, e.g., <i>VPN</i>
<i>user</i>	The username
<i>password</i>	The password for the user
<i>metadirattr</i>	MSAD/LDAP attributes to retrieve. Pipe-separated.

Example:

To test authentication, enter *phibstest 127.0.0.1 a*, followed by the authentication scheme, your virtual server, a service configured on the Barracuda NextGen Firewall F-Series, and the user, e.g.: *phibstest 127.0.0.1 a authscheme=msad server=S1 service=VPN user=tom password=tom123*

After a successful authentication check, the SSH console displays the details, e.g., as follows:

```
type=userauth sub=1098246068 id=2 ver=1 res=Success timeout=5: Authentication Ok
challengeid =
user = tom
```

If the authentication test fails, check the following [log file](#) for error messages: `Box\Control\AuthService`.

phibstest 127.0.0.1 p

This command is used for password management.

Note that executing this may change the passwords.

phibstest 127.0.0.1 e

Provides extended features for authentication checks, such as AD lookup.

You can use the following options with *phibstest 127.0.0.1 e* :

Option	Description
<i>authscheme</i>	The authentication scheme, e.g., <i>msad</i>
<i>server</i>	The virtual server, e.g., <i>S1</i> (for logging only)
<i>service</i>	The configured Barracuda NextGen Firewall F-Series service, e.g., <i>VPN</i>
<i>user</i>	The username
<i>password</i>	The password for the user

<i>metadirattr</i>	MSAD/LDAP attributes to retrieve. Pipe-separated.
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phibstest 127.0.0.1 i

Provides user group information independent from authentication.

You can use the following options with *phibstest 127.0.0.1 i* :

Option	Description
<i>server</i>	The virtual server, e.g. , <i>S1</i> (for logging only)
<i>service</i>	The configured Barracuda NextGen Firewall F-Series service, e.g., <i>VPN</i>
<i>user</i>	The username (optional)
<i>mail</i>	The mail address (optional)

Example:

To get user group information without authentication, enter *phibstest 127.0.0.1 i* , followed by the authentication scheme, your virtual server, a service, and the user, e.g.: *phibstest 127.0.0.1 i authscheme=msad server=S1 service=VPN user=tom*

phibstest 127.0.0.1 l

Checks the working state of authentication against extended firewall login information.

You can use the following options with *phibstest 127.0.0.1 l* :

Option	Description
<i>user</i>	The username
<i>vpnuser</i>	The VPN username
<i>vpngroup</i>	The VPN group
<i>groups</i>	User groups
<i>peer</i>	The Peer-IP
<i>server</i>	The virtual server, e.g. , <i>S1</i>
<i>service</i>	The configured Barracuda NextGen Firewall F-Series service, e.g., <i>VPN</i>
<i>box</i>	The Box name of the Barracuda unit
<i>origin</i>	Origin (one of HTTP, VPN, PROXY)
<i>x509subject</i>	The subject of the certificate
<i>x509issuer</i>	The certificate issuer
<i>x509altname</i>	The certificate subject altname

<i>x509policy</i>	The certificate policy
<i>policyroles</i>	Policy Roles

phibstest 127.0.0.1 o

Checks the working state of authentication against extended firewall logout information.

You can use the following options with *phibstest 127.0.0.1 o* :

Option	Description
<i>user</i>	Username
<i>peer</i>	Peer-IP
<i>server</i>	The virtual server, e.g. <i>S1</i>
<i>service</i>	The configured Barracuda NextGen Firewall F-Series service, e.g., <i>VPN</i>
<i>origin</i>	The origin (one of HTTP, VPN, PROXY)

phibstest 127.0.0.1 n

Checks the working state of authentication against firewall login information.

You can use the following options with *phibstest 127.0.0.1 n* :

Option	Description
<i>peer</i>	Peer IP
<i>origin</i>	The preferred origin (optional)

phibstest 127.0.0.1 f

Checks the working state of authentication against OCPF information.

You can use the following options with *phibstest 127.0.0.1 f* :

Option	Description
<i>authscheme</i>	The authentication scheme (defaults to 'ocsp')
<i>ocspcert</i>	The certificate to check (filename PEM-format only!)
<i>ocspissuer</i>	The root certificate (filename PEM-format only!)
<i>ocspverifyexpl</i>	The server certificate of OCSP server (filename PEM-format only!)
<i>ocspverifyroot</i>	The root certificate of server certificate of OCSP server (filename PEM-format only!)
<i>ocspusessl</i>	0 or 1
<i>ocspghost</i>	The OCSP server IP address

<code>ocspport</code>	The port of OCSP server
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phibstest 127.0.0.1 v

Displays information about the certificate validation chain.

Type *phibstest 127.0.0.1 v certvalidatechain* to display a list of PEM encoded certificate files, delimited by commas, ordered from subcertificate to issuer.

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