How To check that the RADIUS port is reachable?

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Summary

This article describes how you can verify that the RADIUS port on IDENTIKEY Authentication Server can be reached, using the Microsoft tool PortQry.

Details.

To verify that a port, which is using the TCP protocol, is reachable you can use the telnet tool.
For example to test the SEAL port on IDENTIKEY Authentication Server (by default listening on port 20003) you can use the command: Telnet <IP-Address> <Port>
If the port cannot be reached, you get a message as shown in the screenshot below:

If the connection to the port succeeds, you typically get a blank screen (a terminal window), in which you can type data that will be sent out to the connected port:

RADIUS is using the UDP protocol, typically on ports 1812 or 1645 (for Authentication) and 1813 or 1646 (for Accounting).
Since Telnet is using the TCP protocol, you cannot use this tool to verify the connection.
To verify if you can reach the RADIUS UDP port, you can use the tool PortQry from
Microsoft. This tool can be downloaded from this link: http://www.microsoft.com/downloads/en/details.aspx?FamilyID=89811747-C74B-4638-A2D5-AC828BDC6983&displaylang=en
Check the following Microsoft KB for details on how to use this tool: http://support.microsoft.com/default.aspx?scid=kb;en-us;310099

To test if the RADIUS Authentication port is reachable, you can run the following command: portqry -n <IP_Address> -e <port> -p <Protocol>
When the port can be reached, you get a message as in the screenshot below:

When the port cannot be reached, you get a message as in the screenshot below: