Chapter 17 Lab

Revisit the advanced function that you wrote for Lab A in Chapters 6 through 14 of this book. Create a custom type extension for the object output by that function. Your type extension should be a ScriptMethod named CanPing(), as outlined in this chapter. Save the type extension file as PSHTools.ps1xml. Modify the PSHTools module manifest to load PSHTools.ps1xml, and then test your revised module to make sure the CanPing() method works.

Here is a sample ps1xml file:

<?xml version="1.0" encoding="utf-8" ?>

<Types>

<Type>

<Name>MOL.ComputerSystemInfo</Name>

<Members>

<ScriptMethod>

<Name>CanPing</Name>

<Script>

Test-Connection -ComputerName $this.ComputerName -Quiet

</Script>

</ScriptMethod>

</Members>

</Type>

</Types>

Here is what the relevant part of the revised manifest might look like:

# Type files (.ps1xml) to be loaded when importing this module

TypesToProcess = '.\PSHTools.ps1xml'

# Format files (.ps1xml) to be loaded when importing this module

FormatsToProcess = '.\PSHTools.format.ps1xml'