[$]Disabling Name Resolution on a Chained Downstream ISA Server Computer

In a forward proxy scenario with chaining, a downstream Microsoft® Internet Security and Acceleration (ISA) Server computer can be configured to send requests requiring DNS lookup directly to the upstream computer without performing name resolution by setting the **SkipNameResolutionForAccessAndRoutingRules** property of the **FPCWebProxy** object to **True**. When this property is set to **True**, the ISA Server Web proxy skips name resolution while checking access and routing rules. The Microsoft Visual Basic® Scripting Edition (VBScript) code in SkipNameResolution.vbs sets this property to **True** and saves the new configuration setting to persistent storage.

As in the case of other changes to low-level settings, after the value of the **SkipNameResolutionForAccessAndRoutingRules** property has been changed, and the change has been saved by calling the **Save** method, the Microsoft Firewall service must be restarted for the change to take effect. If you are using the code from this script in a script that performs multiple configuration changes, we recommend making all the configuration changes, and then applying all the changes in a single call to the **Save** method on an object that contains all the other objects with configuration changes as subobjects. All the unsaved changes can be applied by restarting the required services by using either of the following techniques:

- Calling the **Save** method with both the *fResetRequiredServices* and *fReloadConfiguration* parameters set to **True** on an object that contains all the other objects with configuration changes as subobjects.
- Calling the **Save** method with the default values for the *fResetRequiredServices* parameter (**False**) and for the *fReloadConfiguration* parameter (**True**) on an object that contains all the other objects with configuration changes as subobjects, and then calling the **RestartServices** method of the **FPCArray** object. Before calling the **RestartServices** method, you should call the **GetServiceRestartMask** method on an applicable object to obtain the bitmask needed for setting the *Services* parameter of the **RestartServices** method.

This script uses the latter technique, but the first technique can be used by setting the *fResetRequiredServices* parameter to **True** in the call to the **Save** method and deleting the calls to the **GetServiceRestartMask** and **RestartServices** methods.

Usage:
SkipNameResolution.vbs

To disable name resolution on a chained downstream ISA Server computer

1. Create an instance of the **FPC** COM object, which provides access to the other ISA Server administration COM objects.

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2. Declare an **FPCArray** object, an **FPCWebProxy** object, and a 32-bit bitmask of type **FpcServices**.
3. Get references to the existing **FPCArray** object and the **FPCWebProxy** object.
4. Configure the Web proxy to skip name resolution while checking access and routing rules by setting the **SkipNameResolutionForAccessAndRoutingRules** property of the Web proxy object to **True.**
5. Call **GetServiceRestartMask** on the Web proxy object to obtain the bitmask needed for setting the *Services* parameter of the **RestartServices** method.
6. Call **Save** on the Web proxy object with the default parameter values to write the new configuration setting to persistent storage.
7. Call **RestartServices** on the array object so that the change will take effect.