

PowerShell - Copy Exchange 2010 Receive Connectors Between Servers

The situation that many Exchange administrators are in, is a simple one. Multiple CAS servers for redundancy and fault tolerance, as well as load balancing either inside the cluster, or on the outside using something like a Citrix Netscaler or F5 device. This is a natural design for Exchange 2010 and provides great functionality and recovery capability.

There are also many designs which use a single server, or perhaps a single server per site contains Receive Connectors for inbound relay based on a set of criteria such as auth type or network range.

The challenge for Receive Connectors, and especially with network ranges applied, is that they are difficult to re-create on another server. Whether it is on your first creation, or if you want to make a copy on another server for active or passive use, PowerShell can be your best friend for this task.

Assuming that we have two servers named **EXSITE1** and **EXSITE2** where we have created our Receive Connector named **Default-App-Connector** on **EXSITE1** but we want to have it on **EXSITE2**. While we can create one easily enough using the **New-ReceiveConnector** CmdLet we have to type in all of the IP ranges manually which is both tedious and error prone.

Here is your solution. The basic command for creating the new backup connector is:

```
New-ReceiveConnector "Default-App-Connector" -Server EXSITE2 -Bindings 0.0.0.0:25
```

The problem is that this only creates the connector, but not the IP ranges. As I mentioned, if we type the allowed IP addresses and ranges into the command using the **-RemoteIPRanges** parameter I have a lot of work ahead of me.

So we simply read the **-RemoteIPRanges** from the first connector and pass them to the **New-ReceiveConnector** CmdLet just like so:

```
New-ReceiveConnector "Default-App-Connector" -Server EXSITE2 -Bindings 0.0.0.0:25 -  
RemoteIPRanges ( Get-ReceiveConnector "EXSITE1Default-App-Connector"  
) .RemoteIPRanges
```

You can also use the **Get-ReceiveConnector** to document your configuration to file, which is a good practice for BCP. Because these can be volatile, I recommend you export to disk, or replicate to the second server weekly or monthly.

Simply use this command:

```
Get-ReceiveConnector "EXSITE1Default-App-Connector" | Format-List | Out-File  
"X:ExchangeConfigurationDefault-App-Connector.txt"
```

It's just that easy. A simple command that can provide peace of mind and protection. Hopefully you

find this to be helpful.