PowerShell Web Cmdlets

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PowerShell and the Cloud

- PowerShell 3.0 is all about managing the cloud
- PowerShell 3.0 makes it easier to work with web data without .NET programming
- Management information may be provided through web services and data

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Web and Cloud Cmdlets

Cmdlet	Description
Invoke-WebRequest	• Sends an HTTP or HTTPS request to a web service.
Invoke-RestMethod	• Sends an HTTP or HTTPS request to a RESTful-compliant web service.
ConvertTo-Json	• Converts an object to a JSON-formatted string. (Javascript Object Notation)
ConvertFrom-Json	• Converts a JSON-formatted string to a custom object.
New-WebServiceProxy	• Creates a web service proxy object that lets you use and manage the web service in PowerShell.

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Invoke-WebRequest

Send request to a web service or site
Response is a formatted object

Do not run in the ISE – memory utilization bug

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Invoke-RestMethod

Send request to a REST compliant web service
Result is formatted HTML,

Representational State Transfer
(RESTful web service)

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New-WebServiceProxy

Web service is a
cloud-based app

Create a proxy
object for the service

Results usually
stored in an XML
object

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Web Cmdlets in Action

Lab

No lab. Download lesson demonstrations and try them out for yourself.