Script Execution Policy

* The execution policy controls script behavior
  + Get-ExecutionPolicy to see the current policy
  + Four policies can be applied Set-ExecutionPolicy <PolicyName>
    - *Restricted*
      * Default execution policy in Windows 8, Windows Server  
        2012, and Windows 8.1
      * Permits individual commands, but will not run scripts
      * Prevents running of all script files, including
        + Formatting and configuration files (.ps1xml)
        + Module script files (.psm1)
        + Windows PowerShell profiles (.ps1)
    - *All Signed*
      * Scripts can run
      * Requires that all scripts and configuration files be  
        signed by a trusted publisher
      * Includes scripts written on the local computer
      * Prompts you before running scripts from publishers  
        not yet classified as trusted or untrusted
      * Risks running signed, but malicious, scripts
    - *Remote Signed*
      * Scripts can run
      * Default execution policy in Windows Server 2012 R2
      * Requires a digital signature from a trusted publisher  
        on scripts and configuration files that are downloaded  
        from the Internet
        + Includes e-mail and instant messaging programs
      * Does not require digital signatures on scripts written  
        on the local computer
      * Unsigned scripts downloaded from the Internet can be  
        unblocked
        + Unblock-File
    - *Unrestricted*
      * Unsigned scripts can run
      * Warns the user before running scripts and configuration  
        files downloaded from the Internet
    - *Bypass*
      * Nothing is blocked
      * No warnings or prompts
      * Used when
        + Script is built into a larger application
        + Configuration for a program that has its own  
          security model
    - *Undefined*
      * No execution policy set in the current scope
      * If the execution policy in all scopes is Undefined,  
        the effective execution policy is Restricted
      * Default execution policy
  + Execution policy scope
    - Get-ExecutionPolicy -List
    - Execution policy has five scopes (in precedence order)
      * Group Policy: Computer Configuration
      * Group Policy: User Configuration
      * Execution Policy: Process powershell.exe -ExecutionPolicy Unrestricted
      * Execution Policy: CurrentUser
      * Execution Policy: LocalMachine
    - Set-ExecutionPolicy <PolicyName> -Scope <scope> Administrative Templates\Windows Components\Windows PowerShell