

Lesson 22: Configuring Group Policy Preferences

MOAC 70-411: Administering
Windows Server 2012

Overview

- Exam Objective 6.4: Configure Group Policy Preferences
- Using Group Policy Preferences

Using Group Policy Preferences

Lesson 22: Configuring Group Policy Preferences

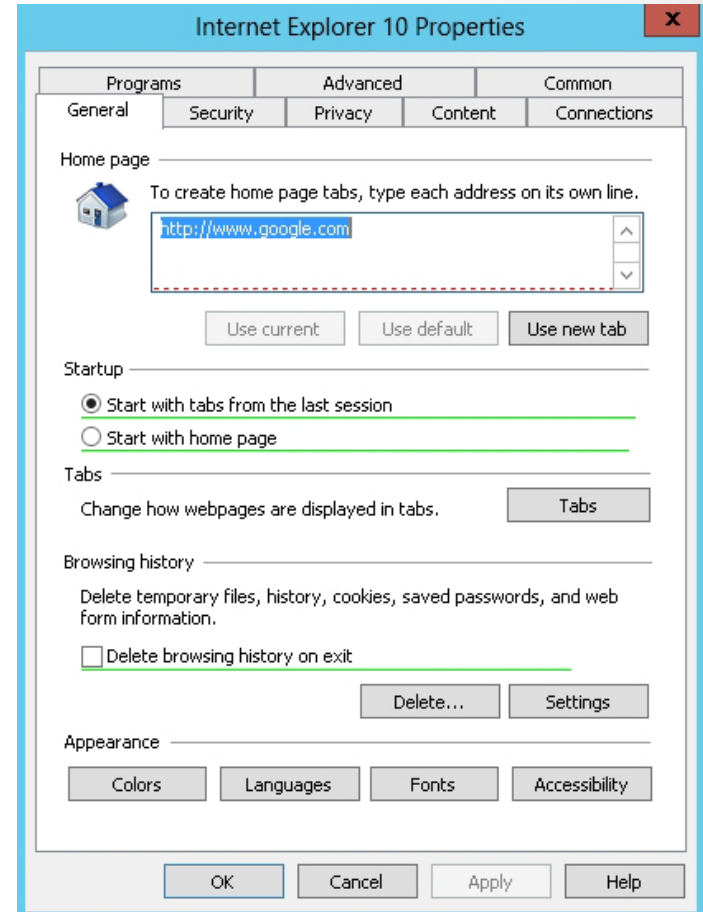
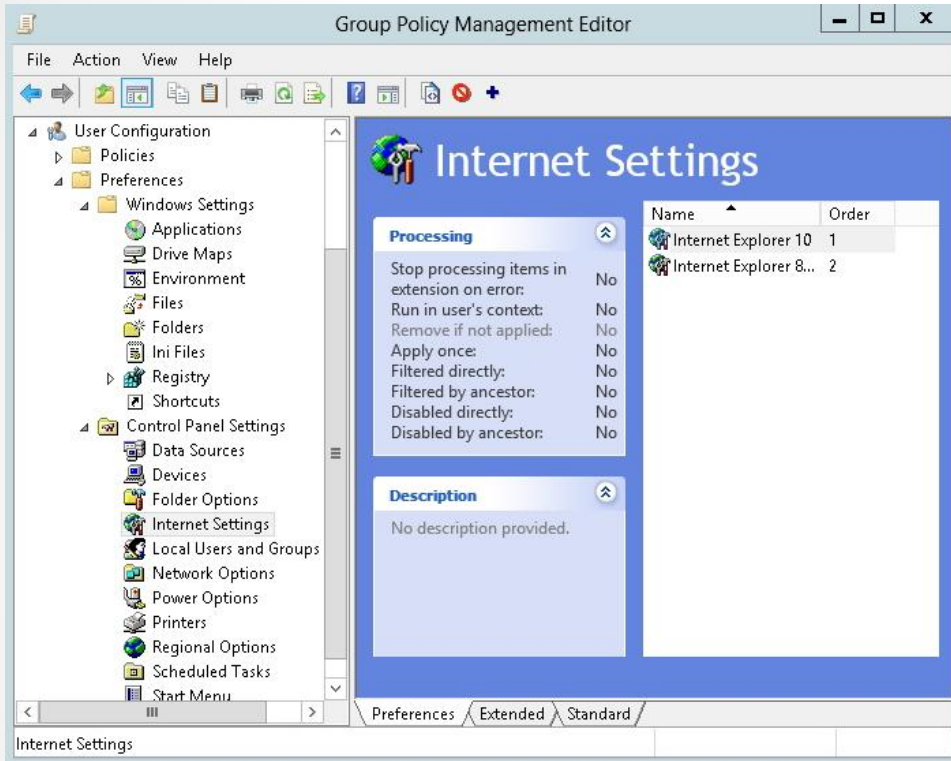
Group Policy Preferences

- **Group Policy Preferences (GPP)** are made up of more than 20 new Group Policy client-side extensions (CSEs) that expand the range of configurable settings in a Group Policy object (GPO).
- Examples of the new GPP extensions include Folder Options, Drive Maps, Printers, Scheduled Tasks, Services, and Start Menu.

Configuring Preferences Settings

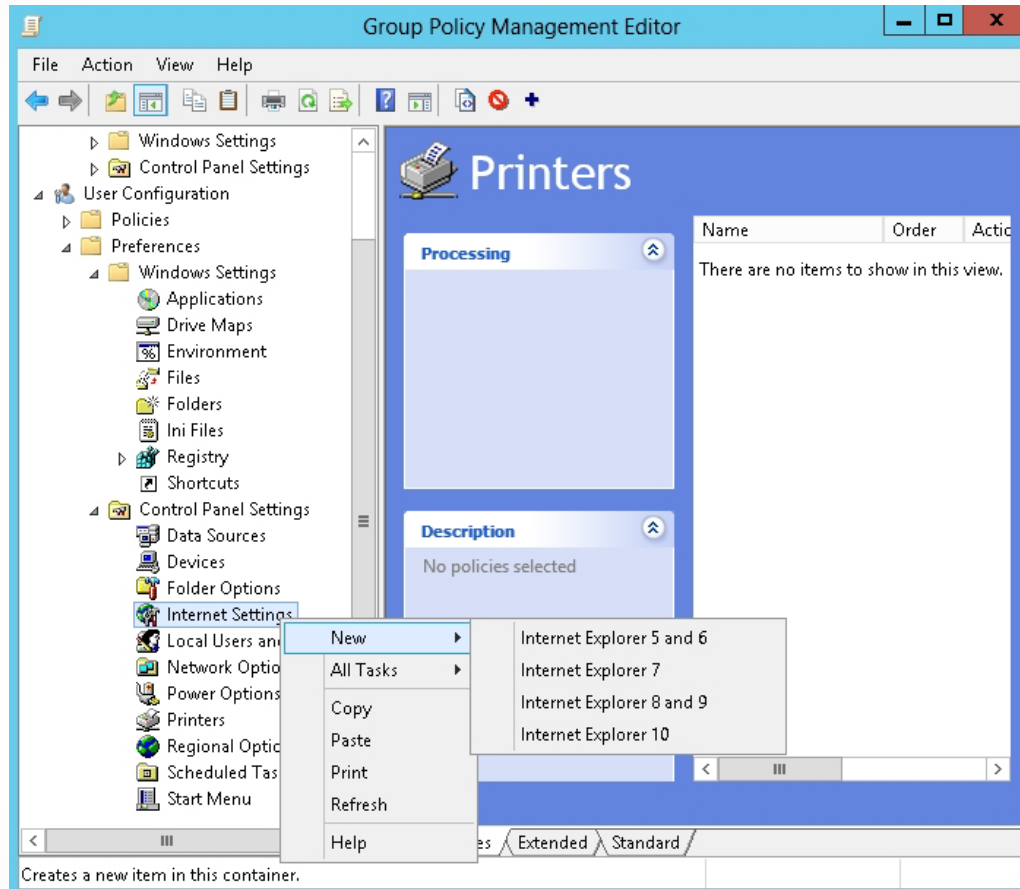
- When you create a GPO with preferences, the preferences options are configured much like using Control Panel and Windows Explorer options.
- When you need to configure Internet Options, for example, the options you configure will look exactly like the Internet Options found in the Windows Control Panel.

Configuring Preferences Settings



Viewing GPP

Configuring Preferences Settings



Creating a new preference

Preferences that Support Editing States

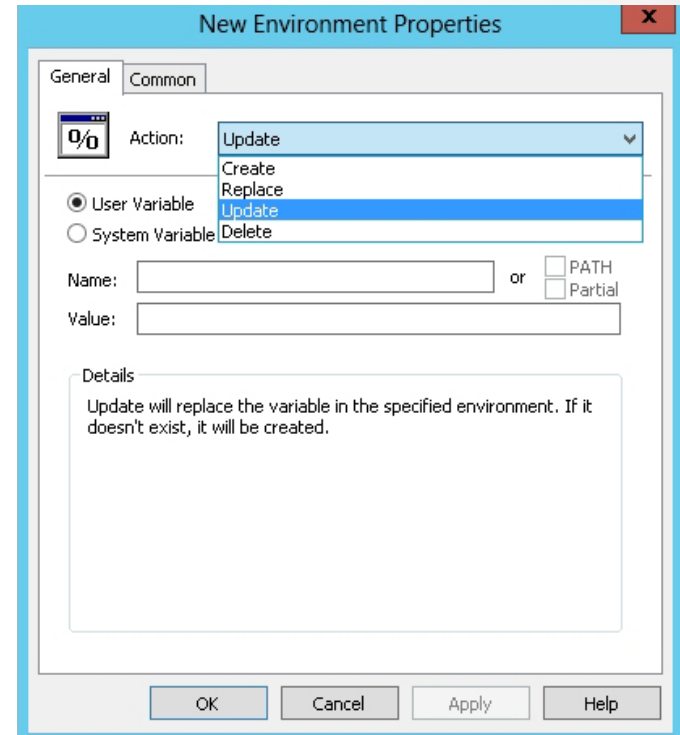
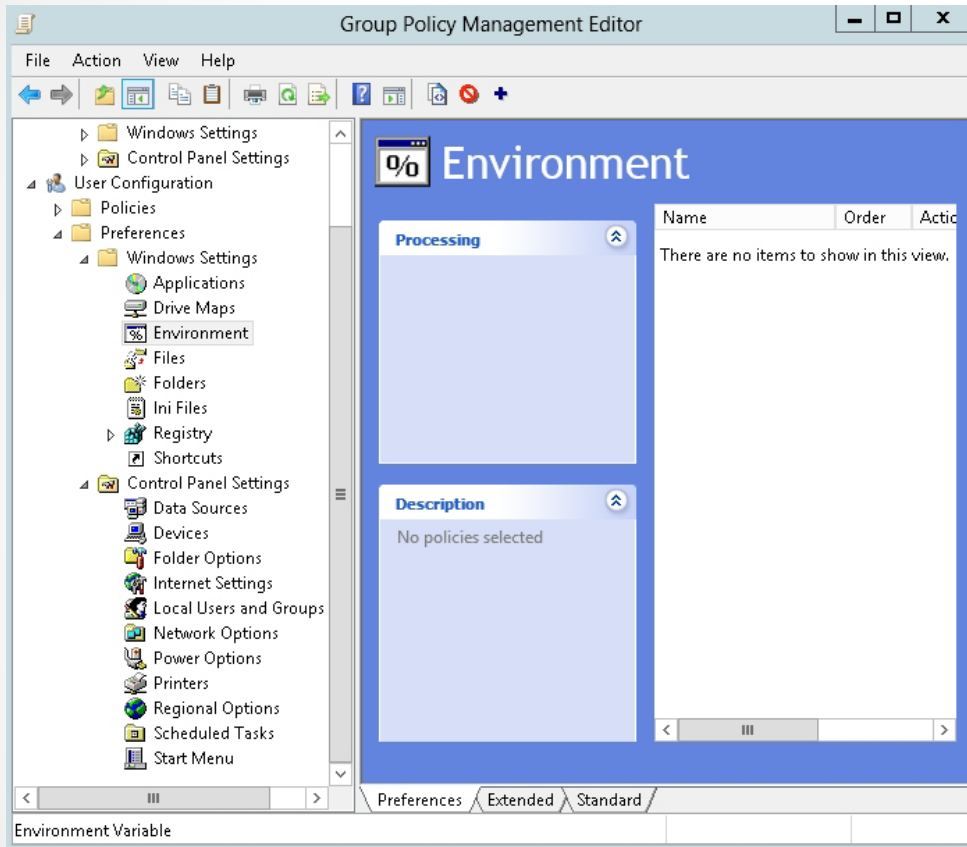
- Start Menu settings
- Regional and Language settings
- Internet options
- Folder options
- Power options (to include Power Schemes)

Actions for Preferences Settings

Most preferences settings include the following actions:

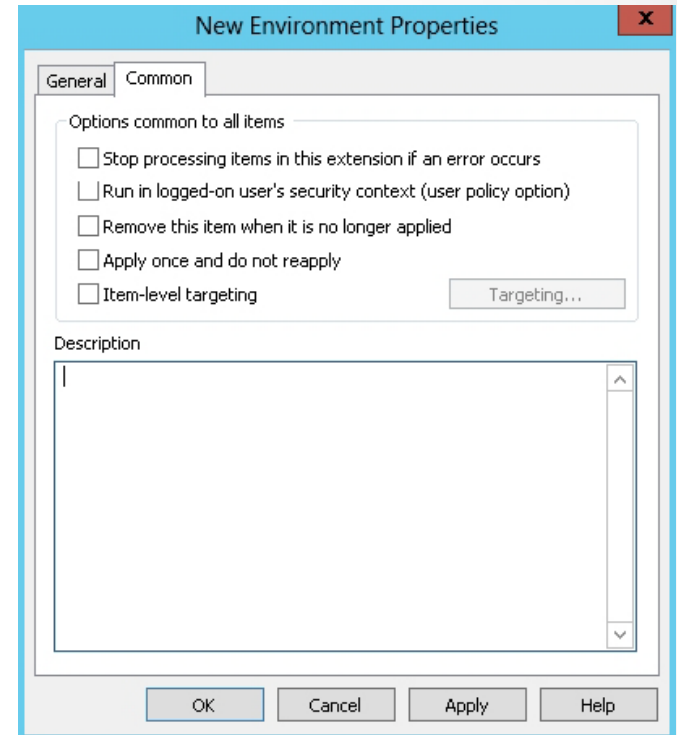
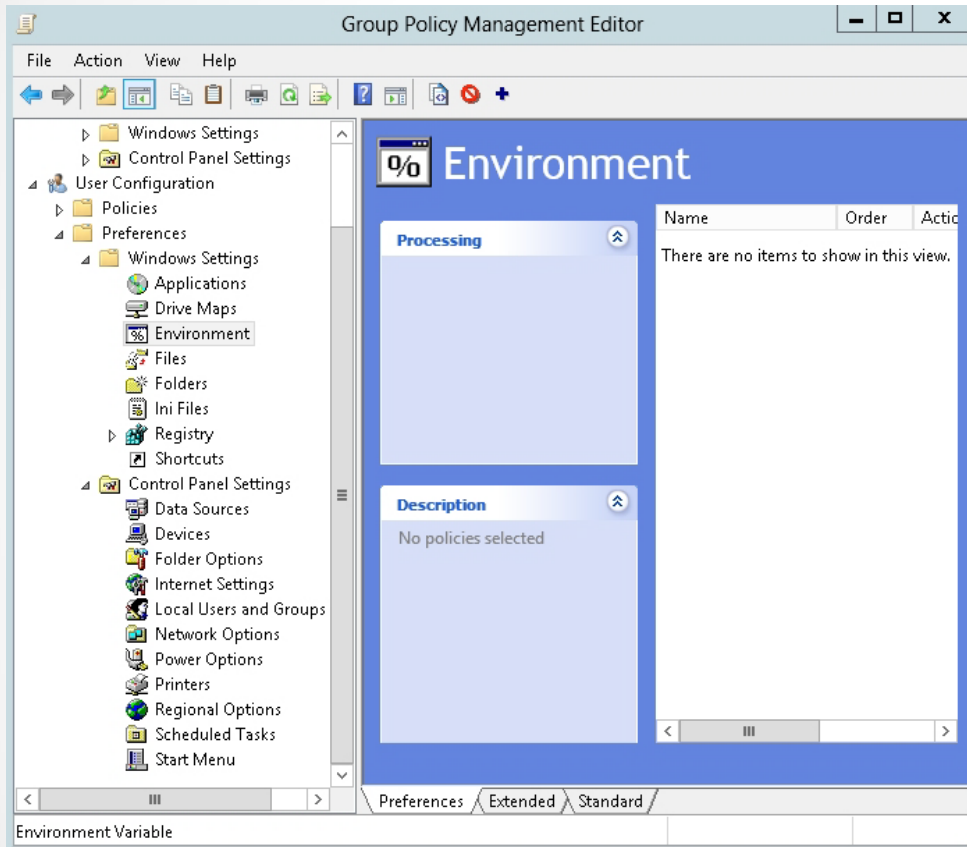
- **Create:** Create a new preferences setting for the user or computer.
- **Replace:** Delete and re-create a preferences setting for the user or computer. The result is that GPP replaces all existing settings and files associated with the preference item.
- **Update:** Modify an existing preferences setting for the user or computer.
- **Delete:** Remove an existing preferences setting for the user or computer.

Preference Actions



Selecting an action for a preference

Preference Actions



Configuring common settings

Configuring Windows Settings

Preference extensions under Windows Settings include:

- **Applications extension:** Configure settings for applications.
- **Drive Maps extension:** Create, modify, or delete mapped drives, and configure the visibility of all drives.
- **Environment extension:** Create, modify, or delete environment variables.
- **Files extension:** Copy, modify, or delete files or change the attributes of the files.
- **Folders extension:** Create, modify, or delete folders.

Configuring Windows Settings

Preference extensions under Windows Settings include (continued):

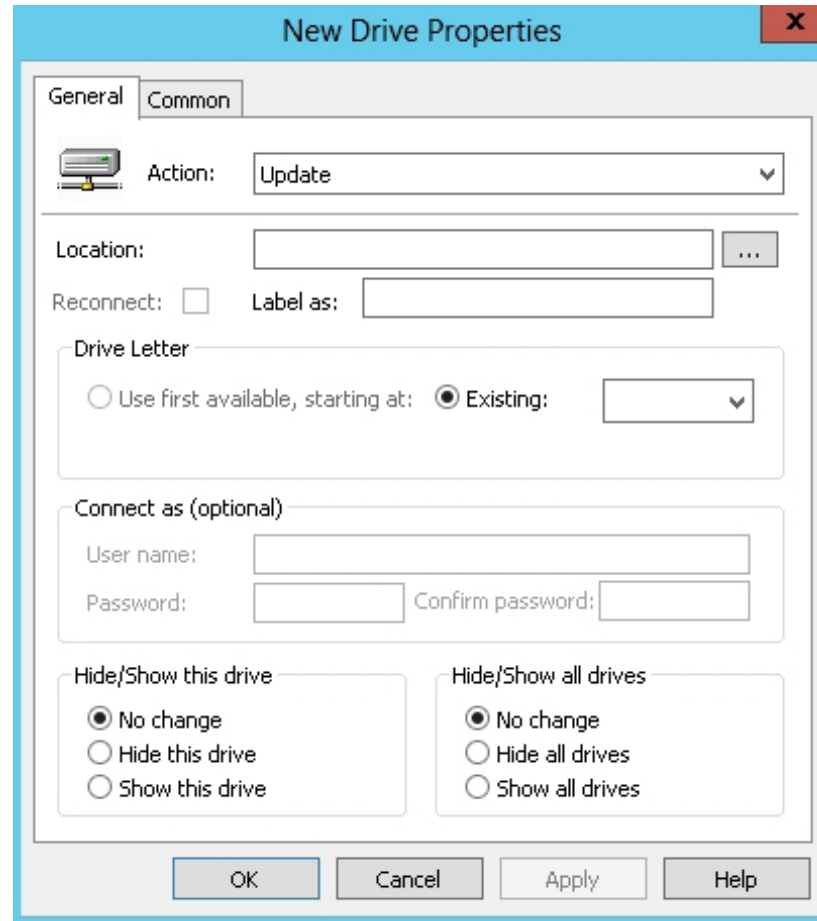
- **Ini Files extension:** Add, replace, or delete sections or properties in configuration settings (.ini) or setup information (.inf) files.
- **Network Shares extension:** Create, modify, or unshare shared folders.
- **Registry extension:** Copy registry settings and apply them to other computers. Create, replace, or delete registry settings.
- **Shortcuts extension:** Create, modify, or delete shortcuts.

Configuring Network Drive Mappings

For Drive Maps extensions, the type of preference item provides a choice of four actions:

- Create
- Replace
- Update
- Delete

Create a Mapped Drive Preference Item



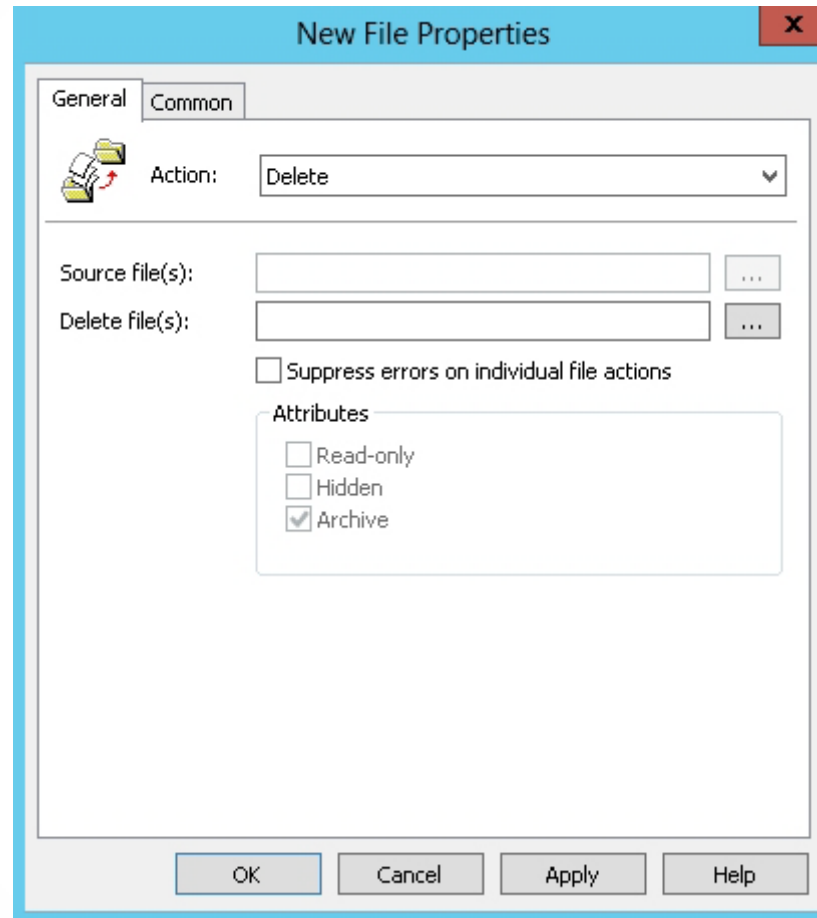
Creating a new drive preference item

Performing File and Folder Deployment

File Preference item provides a choice of four actions:

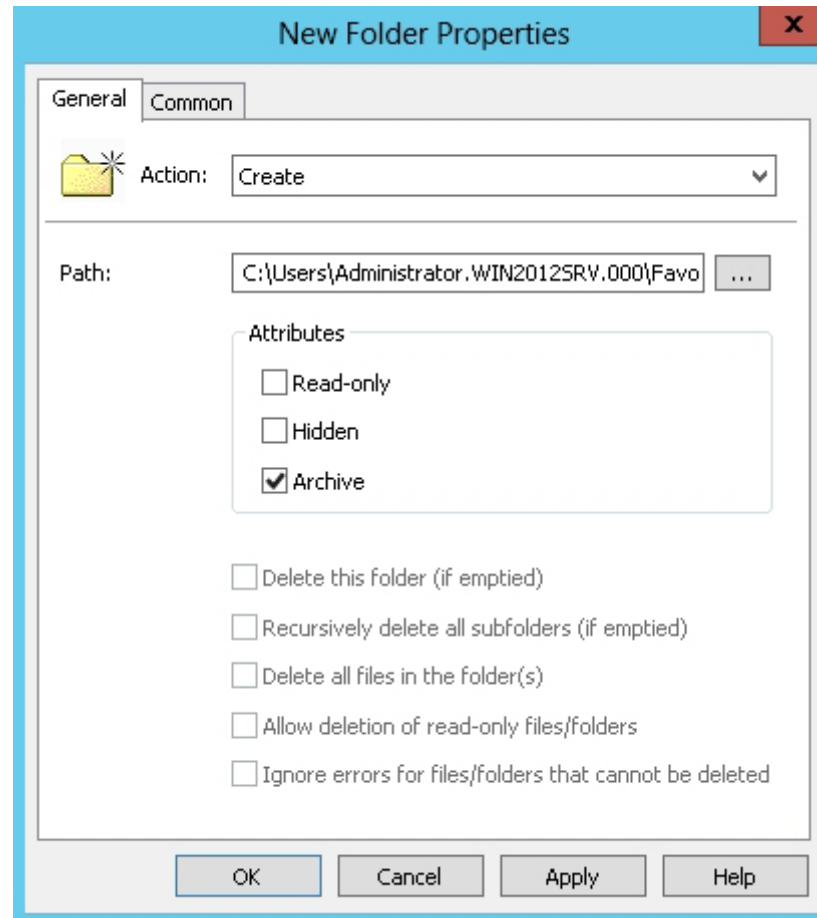
- Create
- Replace
- Update
- Delete

Copy, Replace, Update, or Delete Files



Creating a new file preference item

Create, Replace, Update, and Delete Folders and Their Content



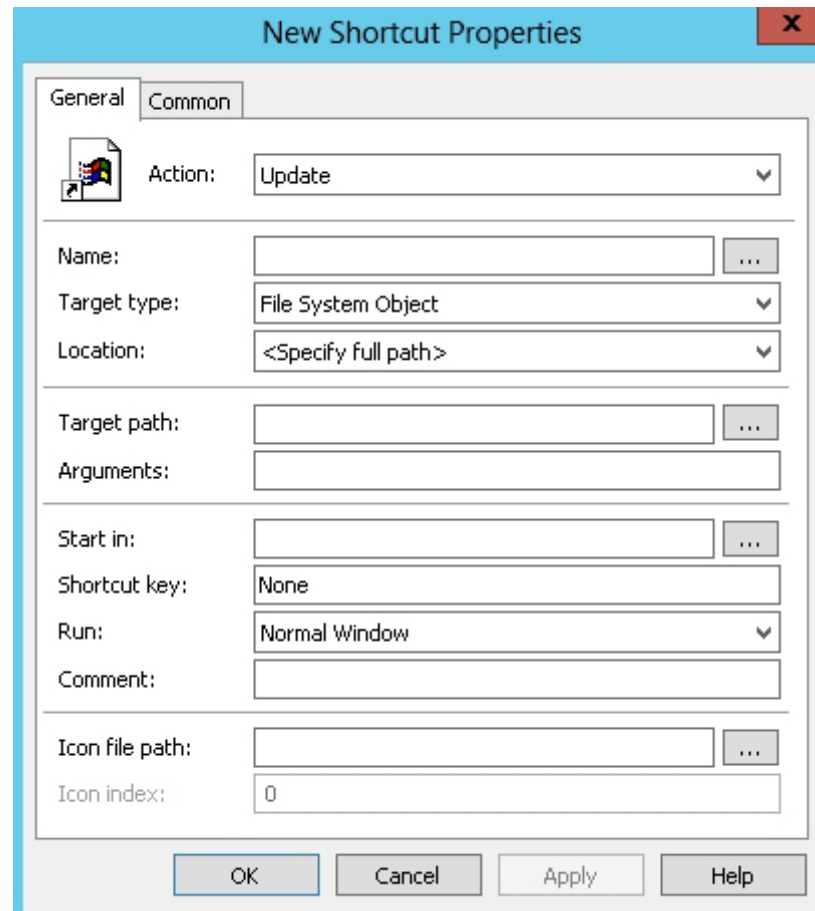
Creating a folder preference item

Performing Shortcut Deployment

This type of preference item provides a choice of four actions:

- Create
- Replace
- Update
- Delete

Create a Shortcut Item



Creating a shortcut preference item

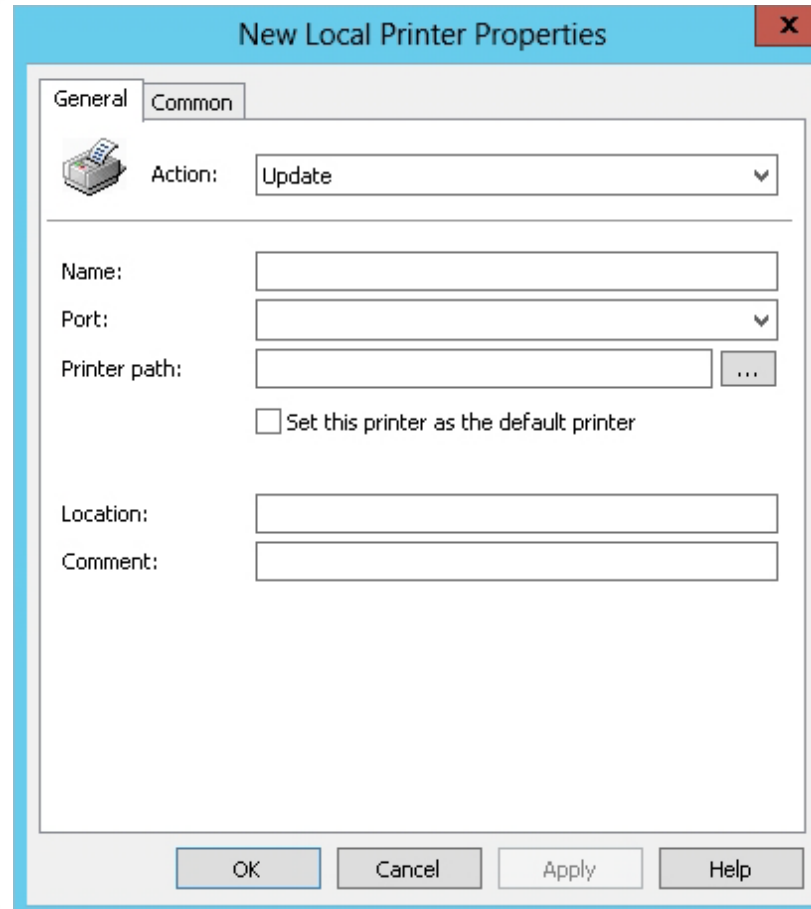
Preference Extensions under Control Panel Settings

- Data Sources extension
- Devices extension
- Folder Options extension
- Internet Settings extension
- Local Users and Groups extension
- Network Options extension
- Power Options extension
- Printers extension
- Regional Options extension
- Scheduled Tasks extension
- Services extension
- Start Menu extension

Configuring Printer Settings

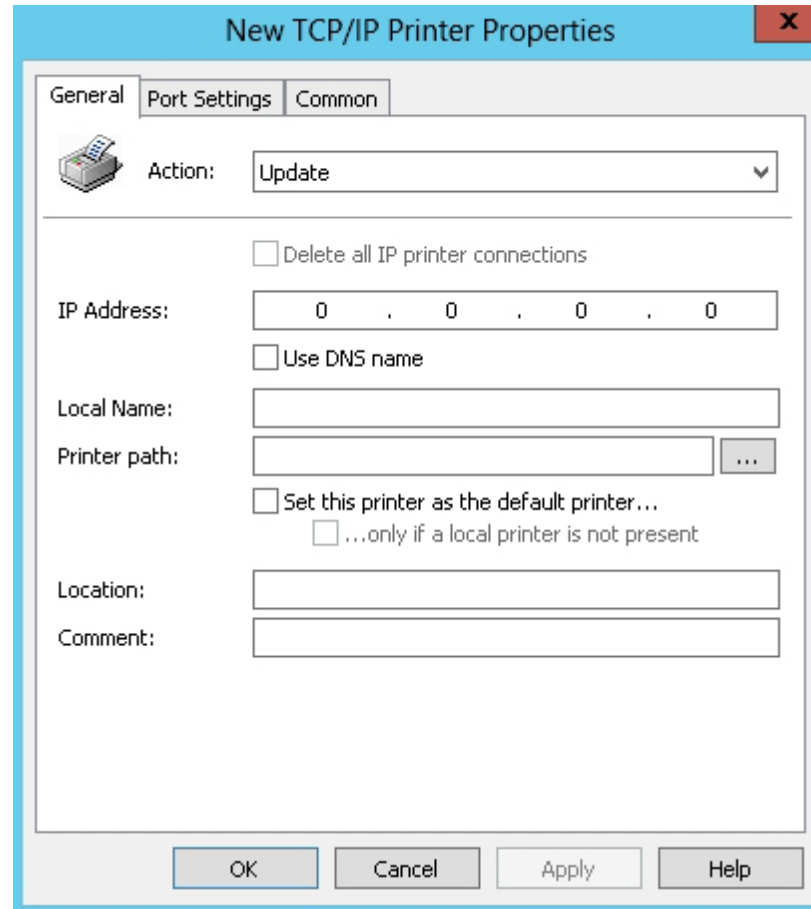
- Similar to adding a printer to Windows, you can add a shared printer, a TCP/IP printer, or a local printer.
- The Printers preference extension allows you to create, configure, and delete local printers, TCP/IP printers, and Shared Printers Printer preference item.

Create a New Local Printer Preference Item



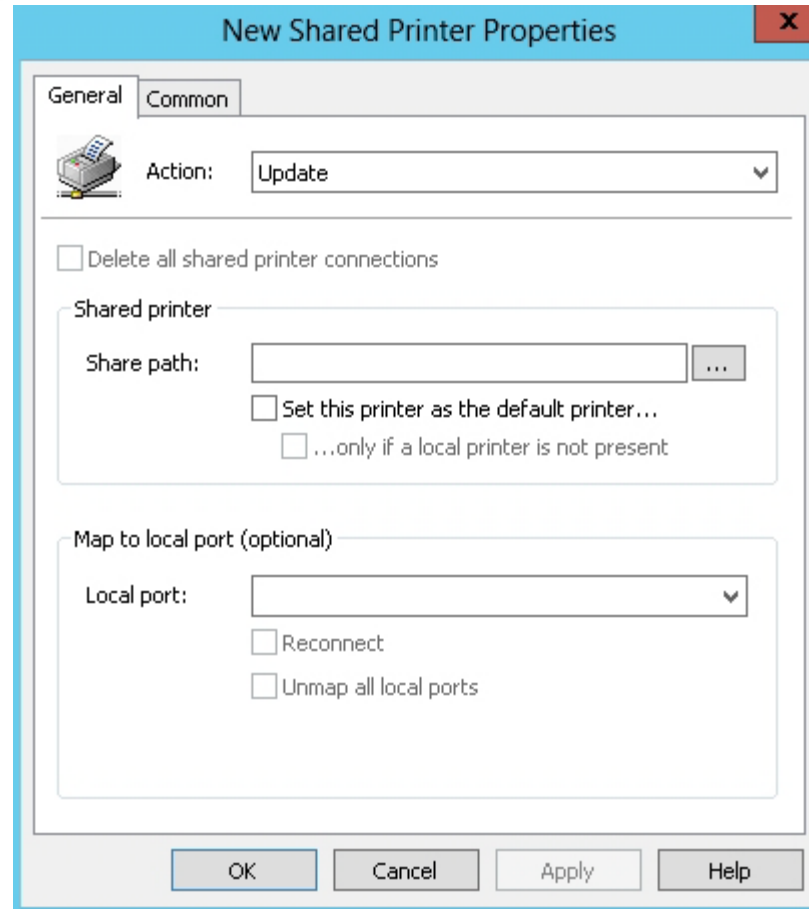
Creating new local printer preference item

Create a New TCP/IP Printer Preference Item



Creating new TCP/IP printer preference item

Create a New Shared Printer Preference Item



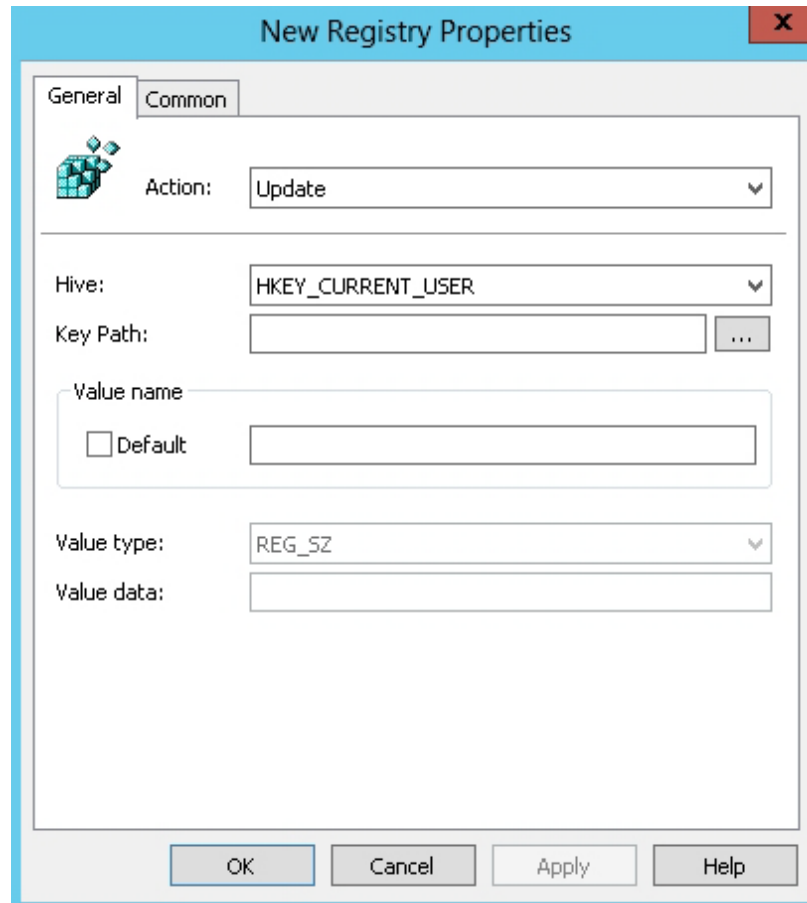
Creating new shared printer preference item

Configuring Custom Registry Settings

The Registry preference extension allows you to:

- Copy registry settings from one computer to another, and to create, replace, or delete an individual registry value.
- Create an empty key, delete a key, or delete all values and subkeys in a key.
- Create collections or folders to organize the Registry preference items.

Create a New Registry Preference Item

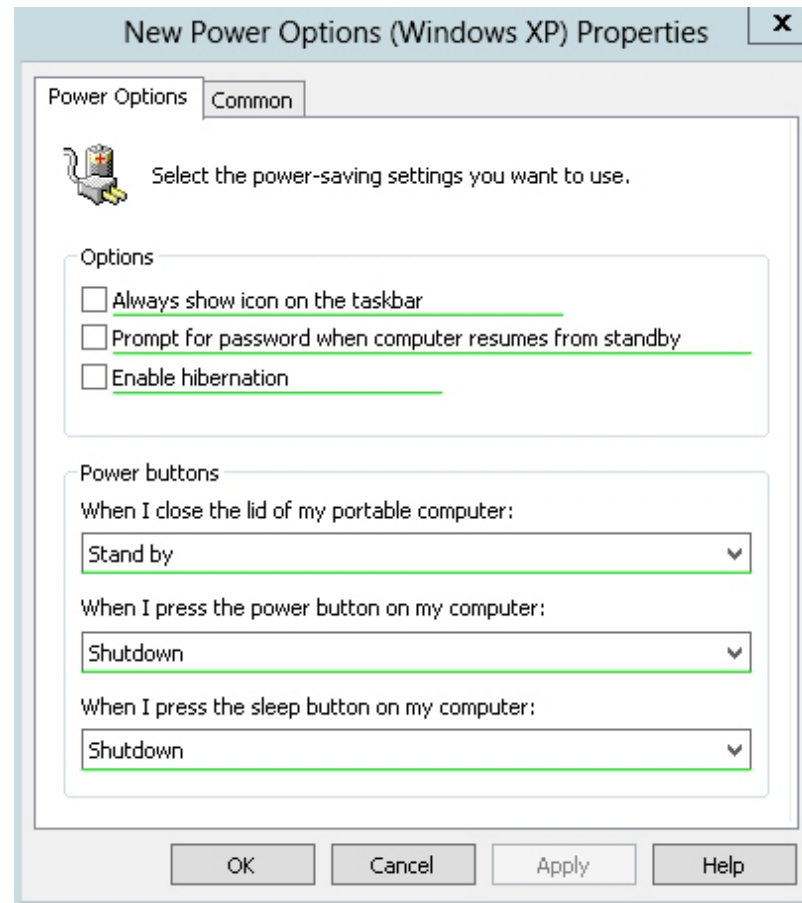


Creating a registry preference item

Configuring Power Options

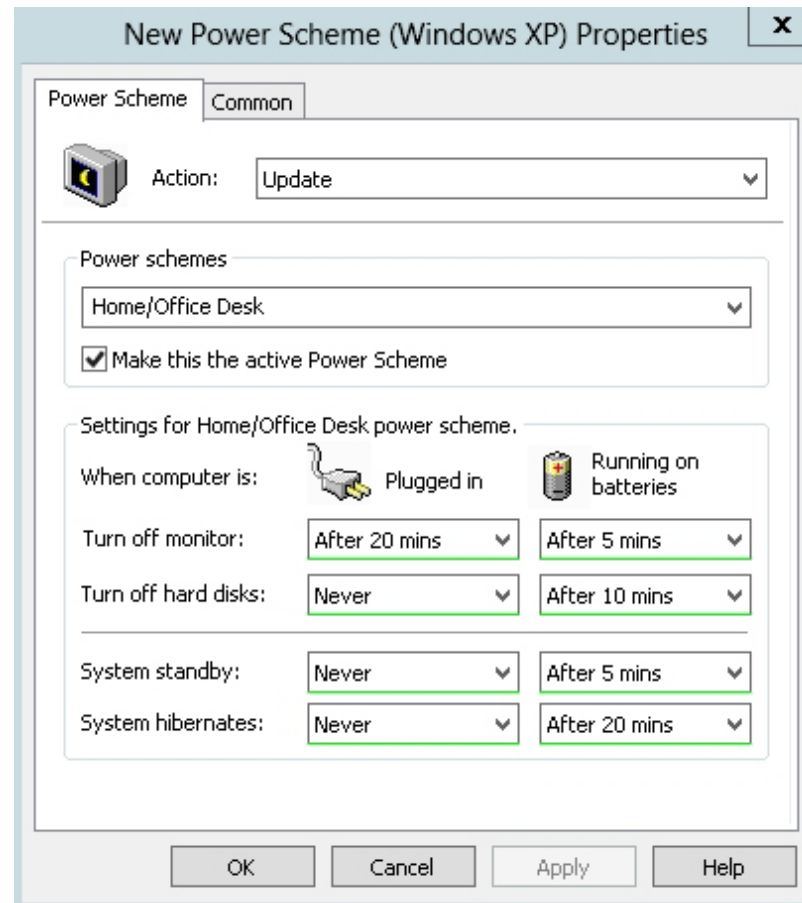
- The Power Options extension allows you to create and configure Power Plan, Power Options, and Power Scheme preference items.
- Power Options and Power Schemes are used with Windows XP and Windows Vista, and Power Plan is used with Windows Vista and later.

Create a New Power Options Preference Item



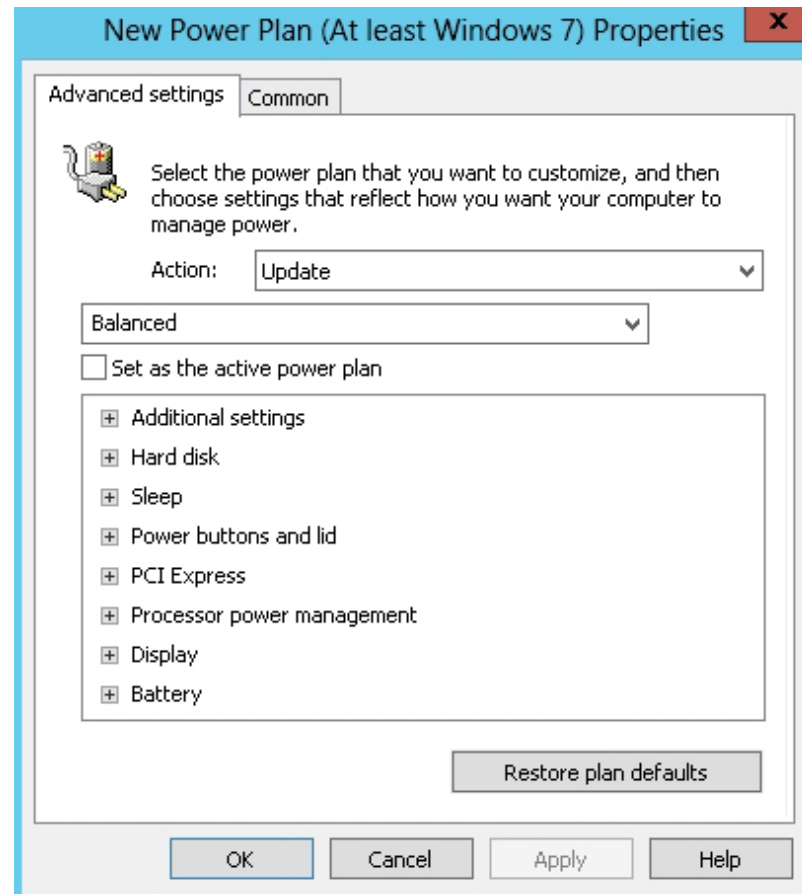
Creating a new power options (Windows XP) preference item

Create a New Power Scheme Preference Item



Creating a new power scheme preference item

Create a New Power Plan Preference Item



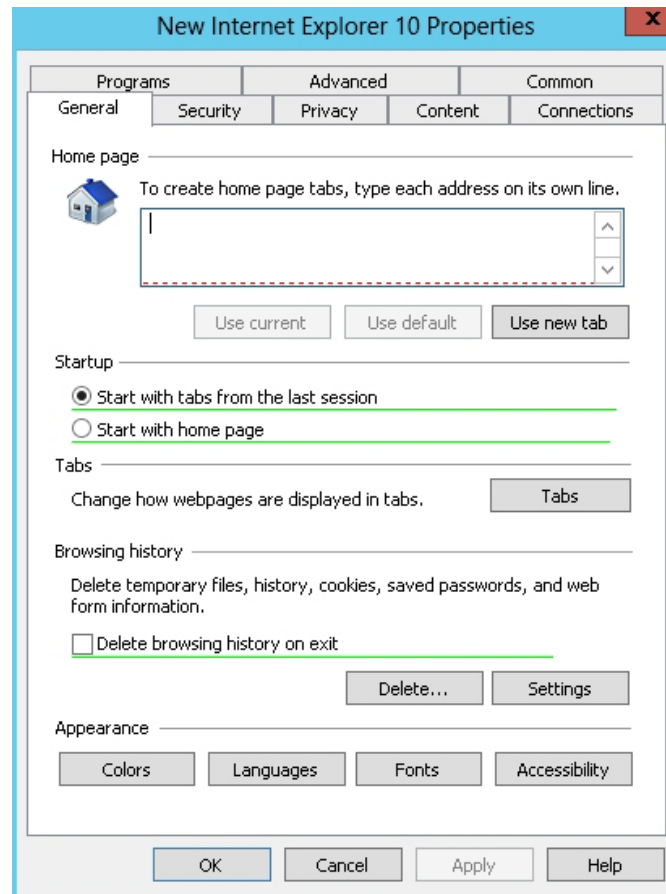
Creating a new power plan preference item

Configuring Internet Explorer Settings

The Internet Settings preference extension allows you to

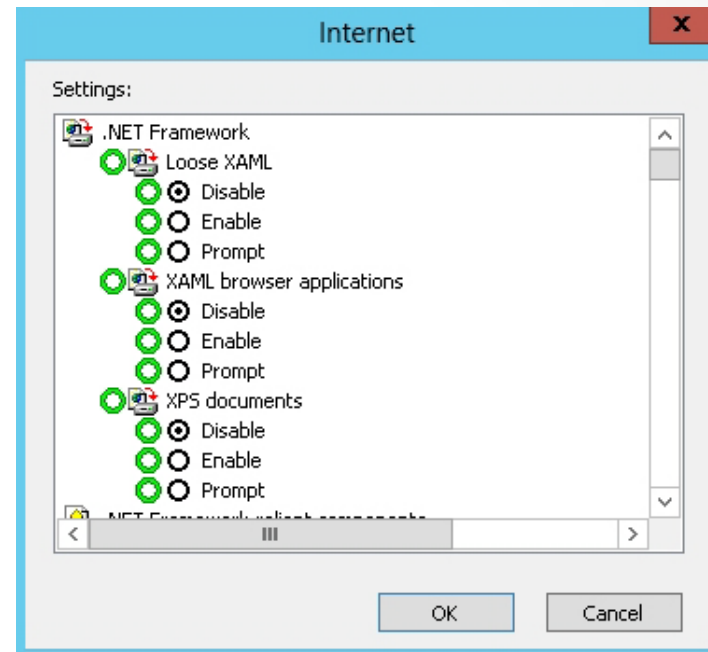
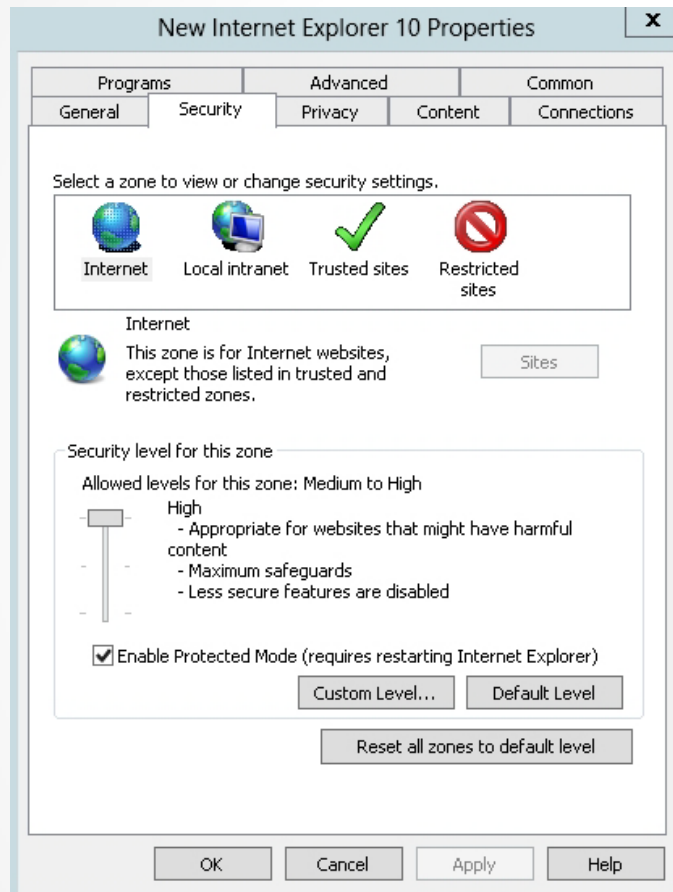
- Configure specific configuration of Internet settings, or
- Configure an initial configuration of Internet settings, but allow end users to make changes

Create an Internet Explorer Preference Item



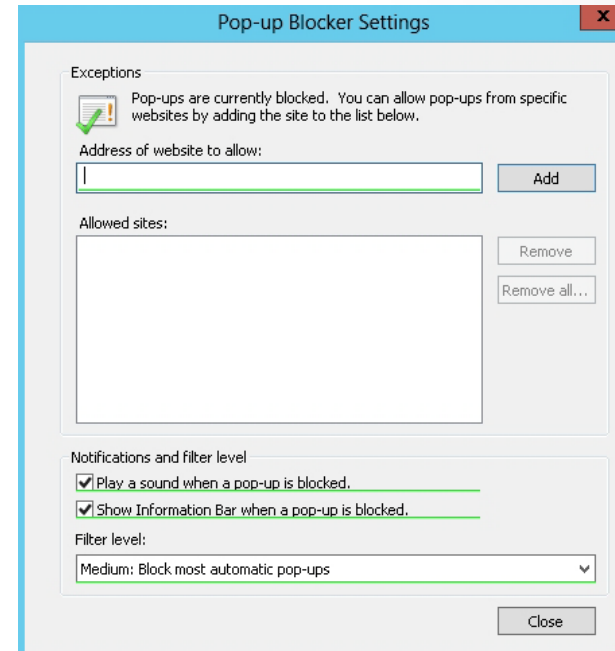
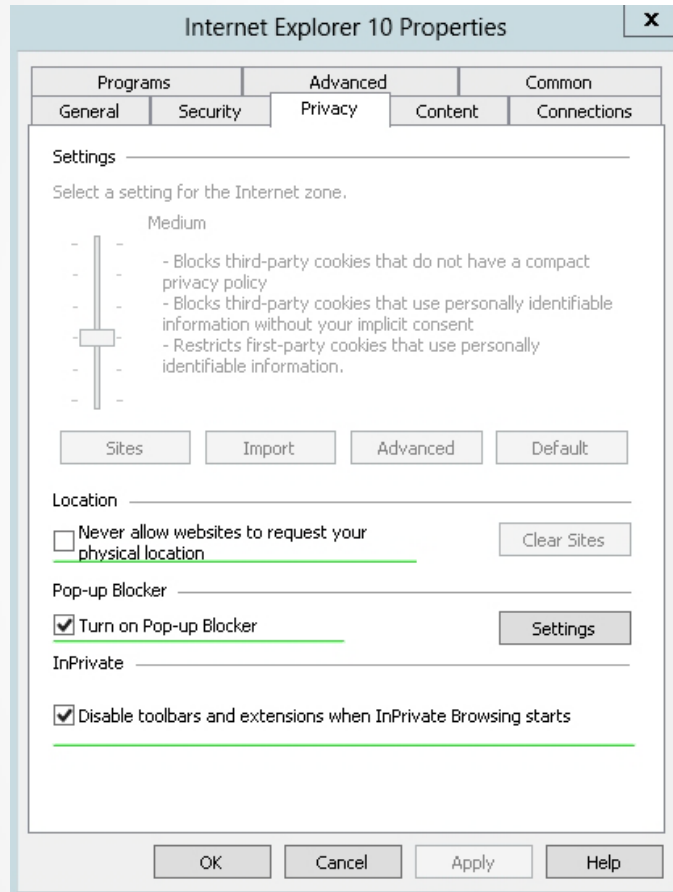
Creating new Internet settings preference item

Create an Internet Explorer Preference Item



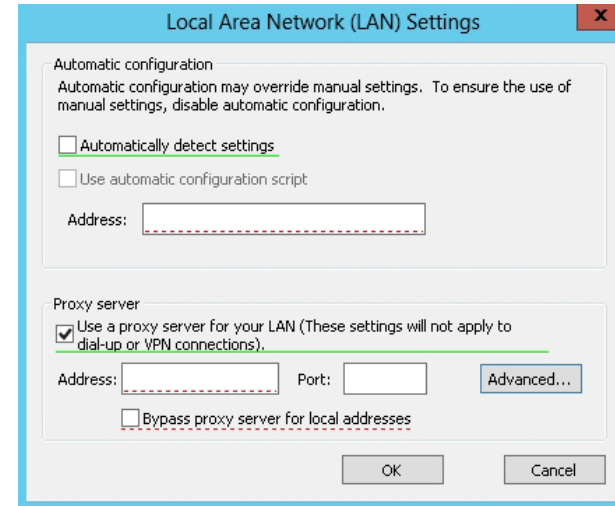
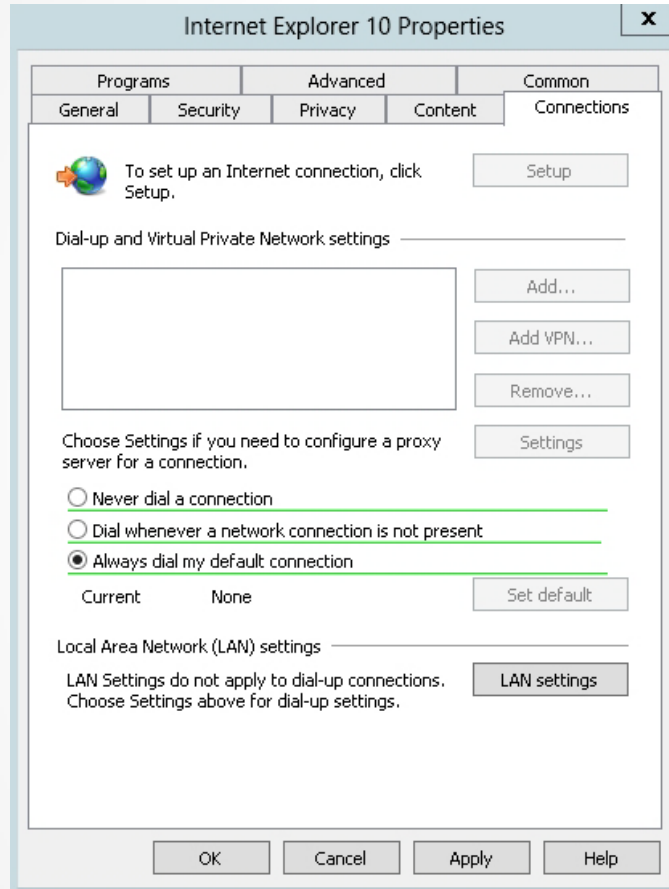
Configuring Security zones

Create an Internet Explorer Preference Item



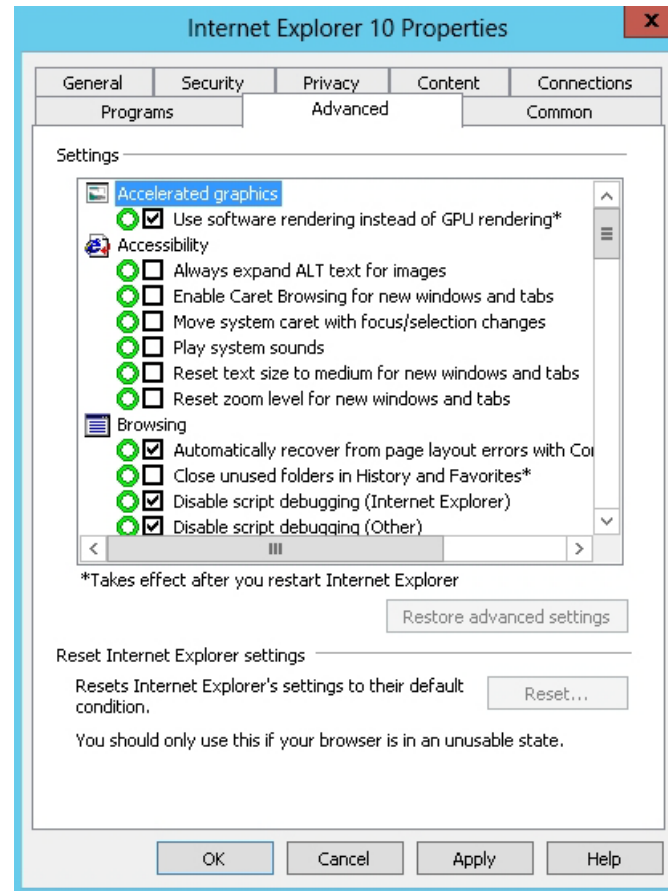
Configuring Privacy settings

Create an Internet Explorer Preference Item



Configuring Connections options

Create an Internet Explorer Preference Item



Configuring Advanced options

Item-Level Targeting

Item-level targeting is used to change the scope of individual preference items so that the preference items apply to only selected users or computers.

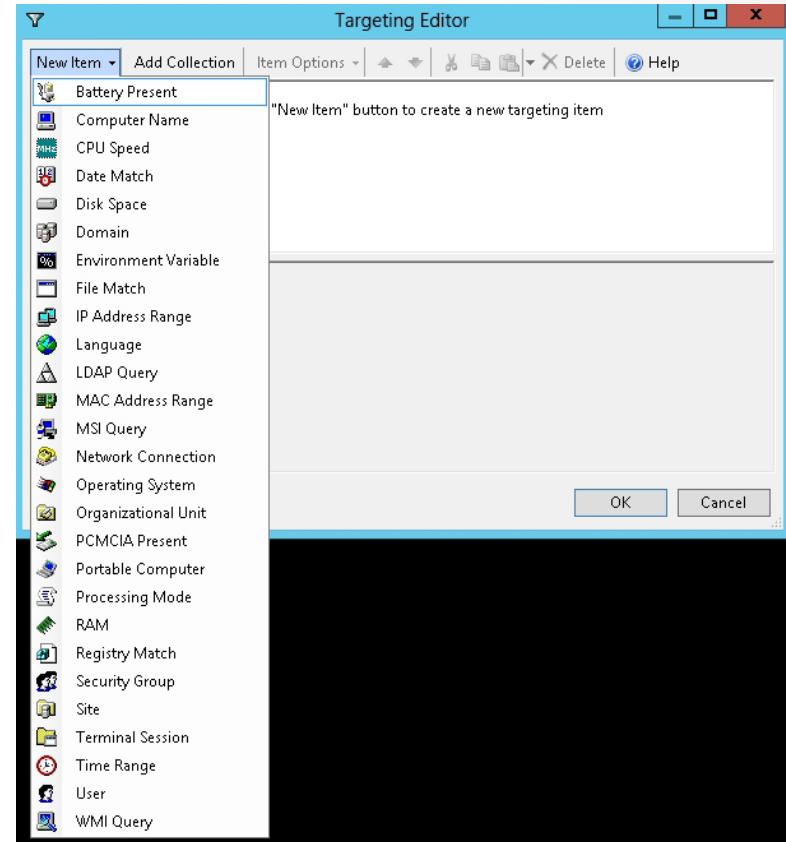
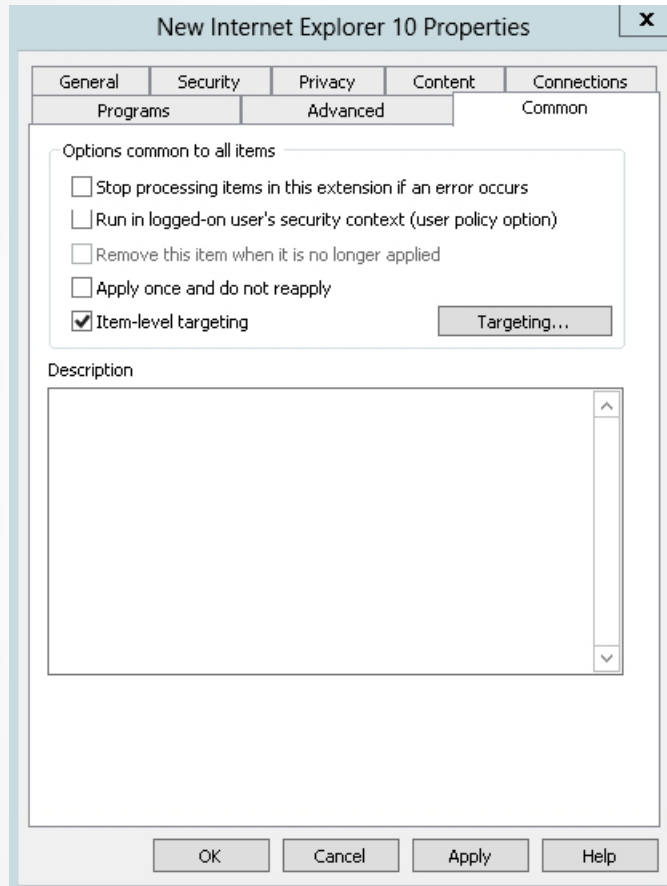
Targeting Items

- Computer name
- CPU speed
- Date match
- Disk space
- Domain
- IP address range
- Network connection
- Operating system
- Portable computer
- RAM
- User
- Terminal session
- LDAP query
- Time range
- WMI query

Targeting Items

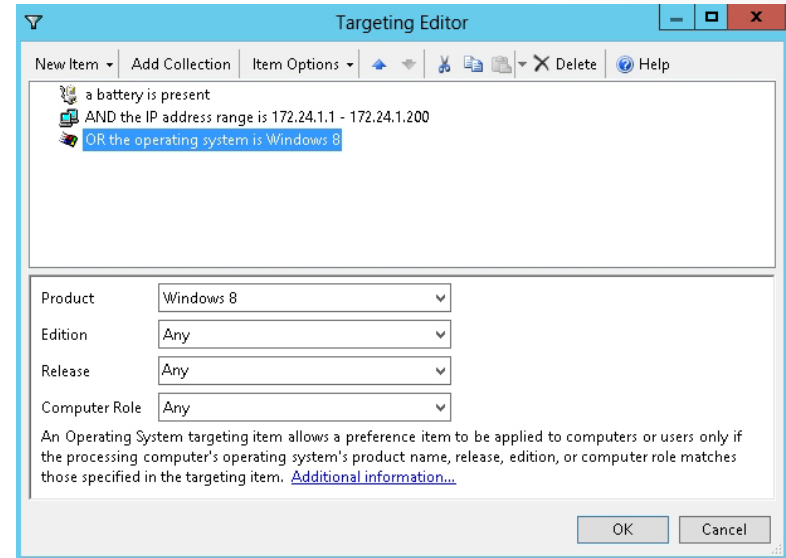
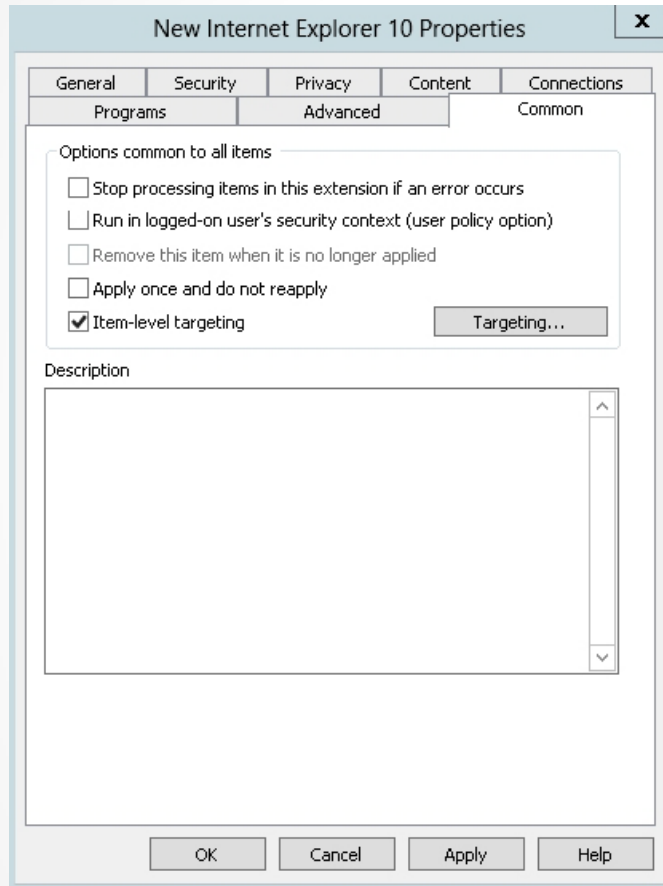
- Each targeting item results in a value of either true or false.
- You can apply multiple targeting items to a preference item and select the logical operation (AND or OR) by which to combine each targeting item with the preceding one.
- If the combined value is false, then the settings in the preference item are not applied to the user or computer.

Configuring Item-Level Targeting



Using item-level targeting

Configuring Item-Level Targeting



Using the targeting editor

Lesson Summary

- Group Policy Preferences (GPP) are made up of more than 20 new Group Policy client-side extensions (CSEs) that expand the range of configurable settings in a Group Policy object (GPO) that were not available before.
- Although Group Policy settings cannot be modified, GPP writes preferences to the same locations in the registry that the application or operating system feature uses to store the setting.
- GPP can be configured on domain controllers running Windows Server 2008 or higher.
- GPP are supported by client computers running Windows Vista SP2, Windows 7 or higher, or Windows Server 2008 or higher.

Lesson Summary

- For most preferences settings, you right-click the option that you want to configure, select New, and select the preference item that you want to create.
- An editing state specifies whether the option will be delivered and processed by the client.
- Most preferences settings include the following Actions: create, replace, update, and delete.
- GPP are divided into two sections: Windows Settings and Control Panel Settings. Windows Settings are commonly used configuration settings that are performed in Windows, but are not done in the Control Panel.
- Item-level targeting is used to change the scope of individual preference items so that the preference items apply only to selected users or computers.

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