Passerelles numériques

A Gateway for Life

Lesson06

Group Policy

If we want Computer Client has Application already after logon, What should you do?

If you want all computer Clients have the same wallpaper or image background after user logon what should you do?

If you want to disable some option all computer clients , what should you do?

# What is Group Policy?

Objective

After finished this lesson students will be able to:
- Describe definition of Group Policy
- Describe definition of Local Security Policy
- Identifies of GPO link
- Understanding Enforced and Block inherited
- Practice Manage Group Policy Object
    - Create policy
    - Delete and Disable
   - Backup and restore
- Implement best Practice

Definition of Group Policy

- A GPO is an object that contains one or more policy settings that apply configuration setting for users, computers, or both. GPO templates are stored in SYSVOL, and GPO container objects are stored in Active Directory® Domain Services (AD DS). **Group Policy** provides centralized management and configuration of operating systems applications, and users' settings in an **Active Directory** environment.
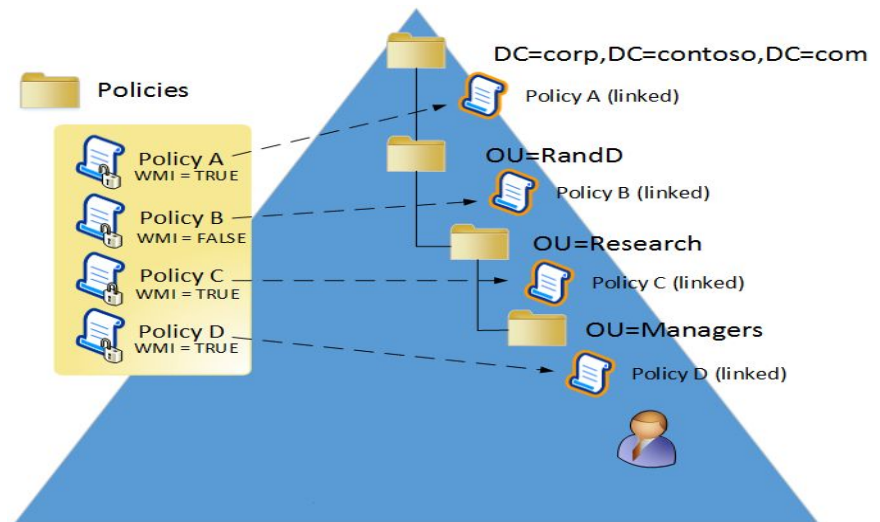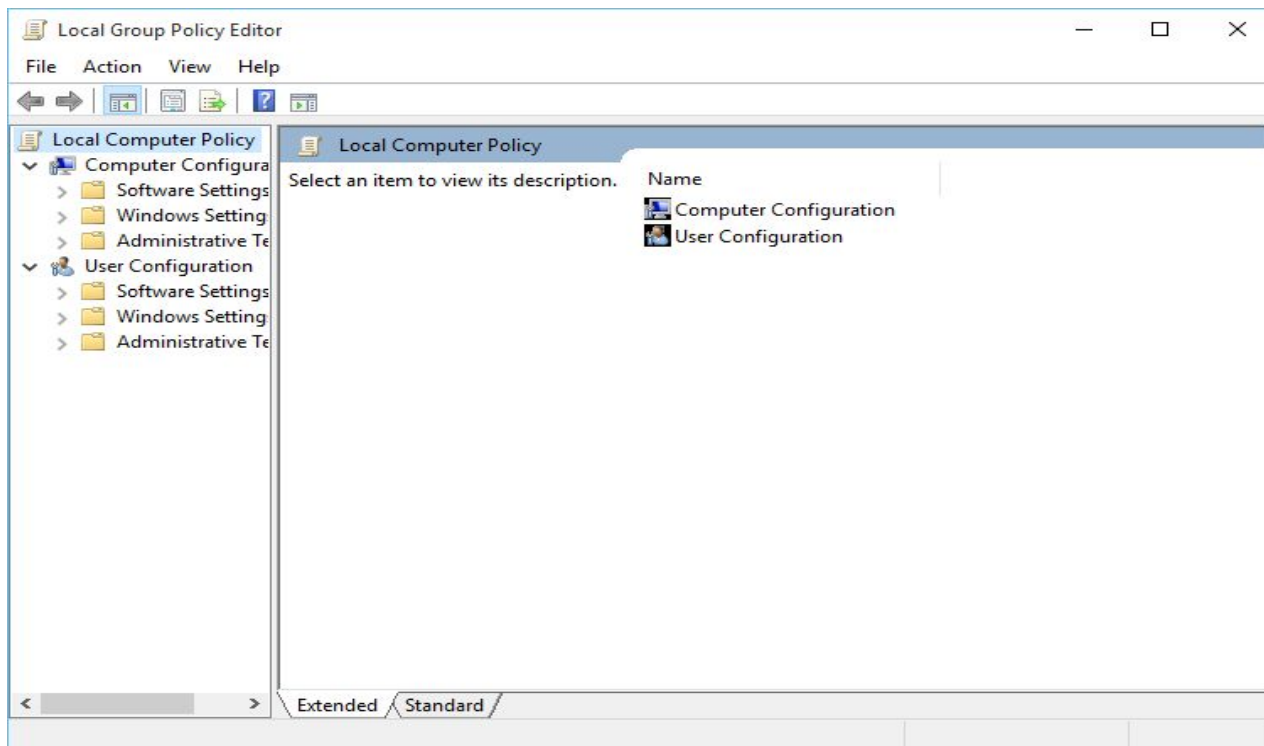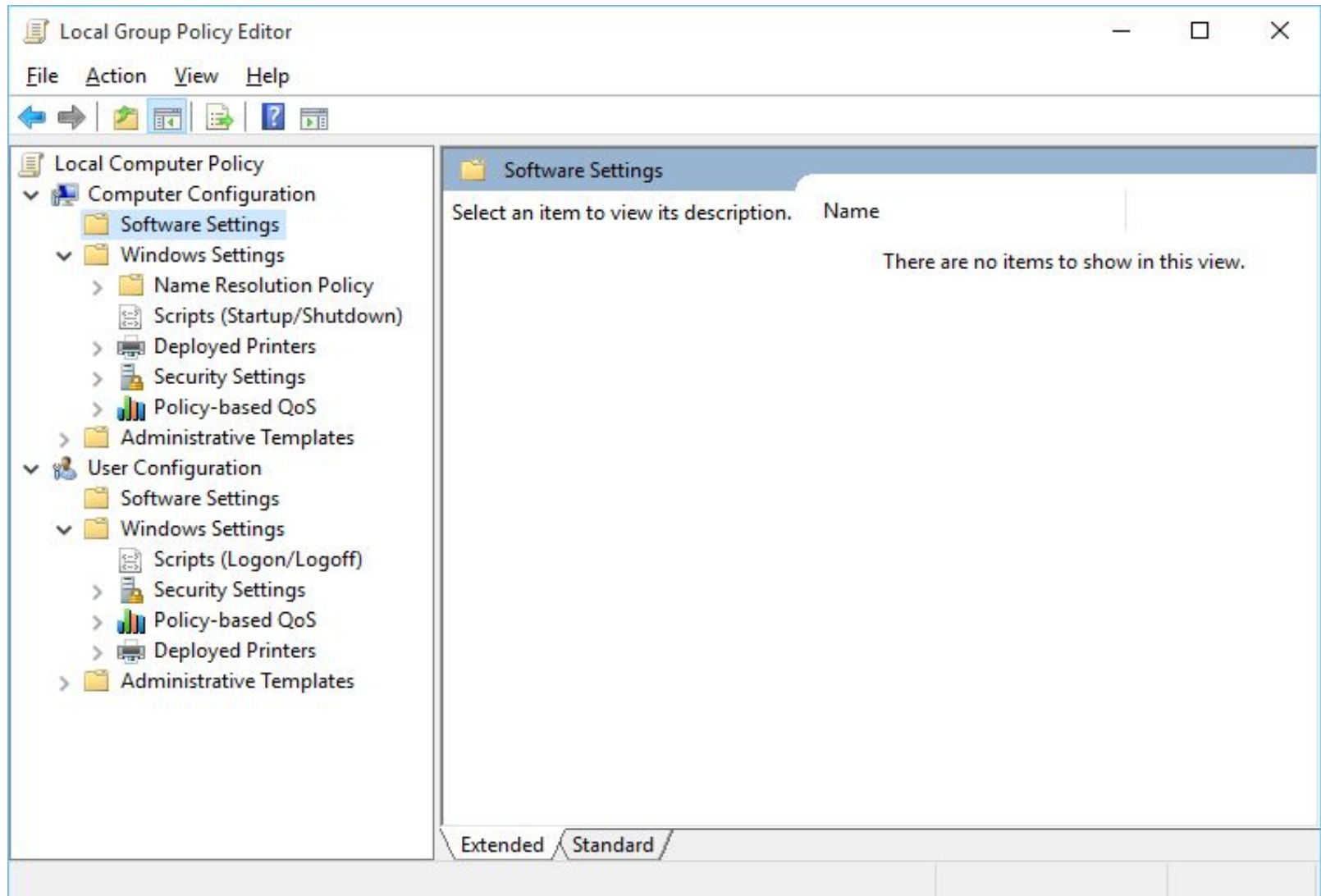
Group Policy Manager
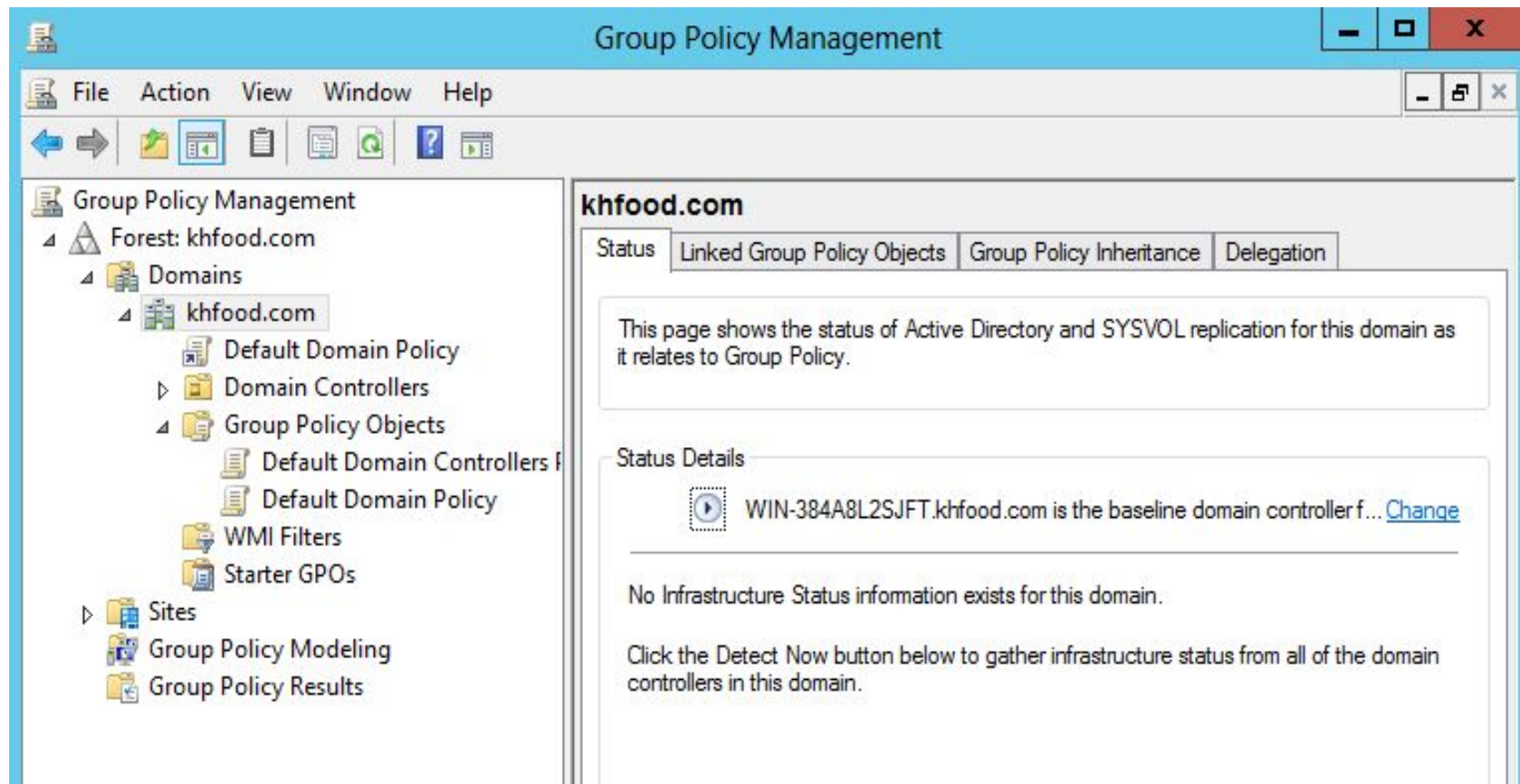
Inside Group Policy Object
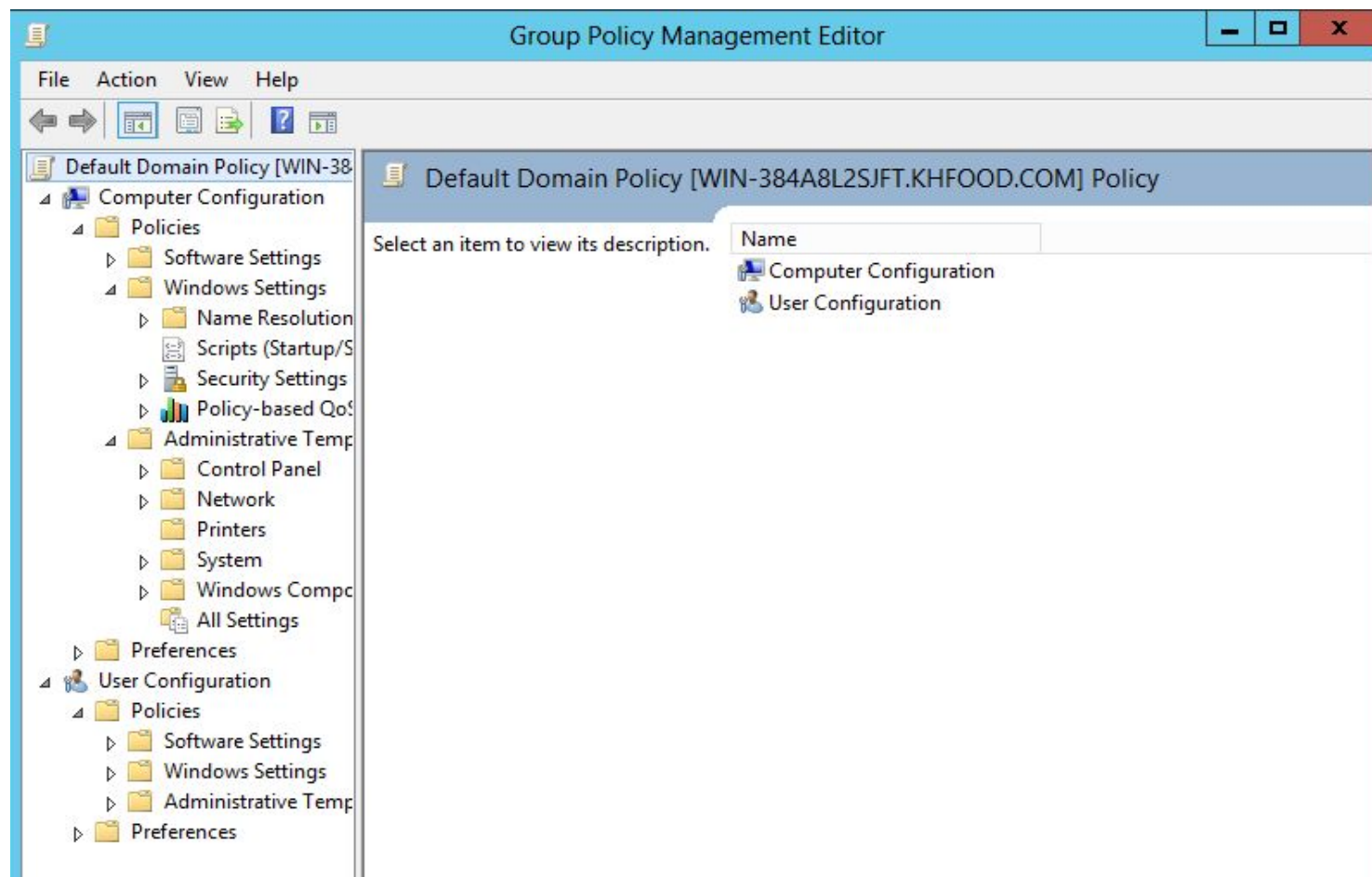
Definition local Security Policy

Local Group Policy allows you to control settings on many Windows computers from a central location, All systems that are running Microsoft Windows client or server operating systems also have available local GPOs. Local policy settings only apply to the local machine, but you can export and import them to other computers.

Inside of Local Group Policy

Navigate Group and Local Policy Object Manager

In this activities you will know what the interface of GPMC look like, and know some option on group policy.

Activities

Identify Link GPO

- **Group Policy Management Console (GPMC)** console tree, locate the site, domain, or organizational unit (OU) to which you want to **link** a **Group Policy** object (**GPO**) Do one of the following: To **link** an existing **GPO**, right-click the domain or OU within the domain, and then click **Link** an Existing **GPO.**
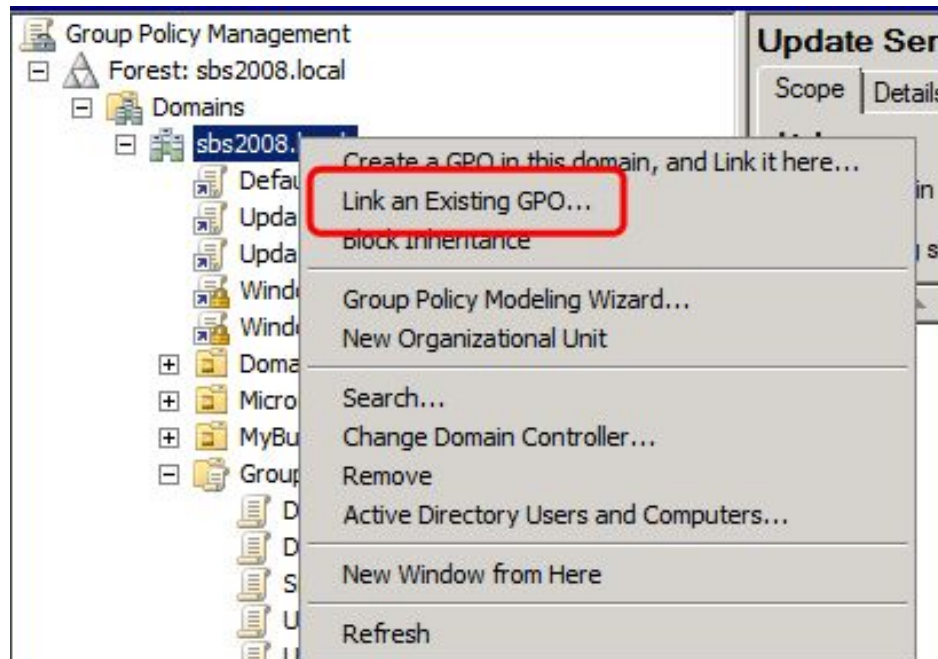
Understanding Enforced and Block Inherited

- In Group Policy Object on Domain Controller **Enforced** means that the policy cannot be overruled by a policy further down the line.
- **Blocking inheritance** prevents **Group Policy** objects (GPOs) that are linked to higher sites, domains, or organizational units from being automatically **inherited** by the child-level.
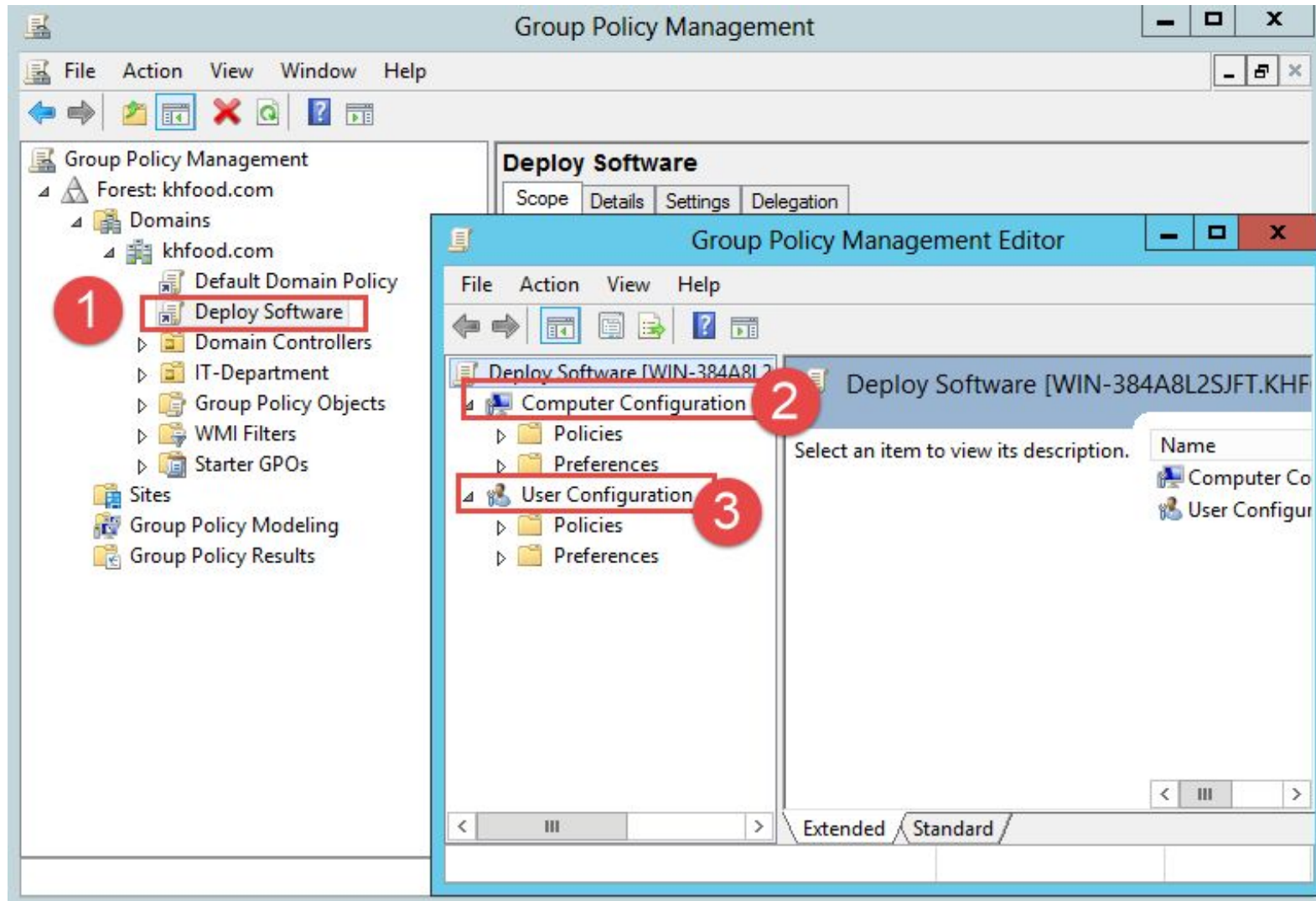
How to create Group Policy on GPMC?

Step to create new Group Policy on Group Policy Management Console (GPMC):

- Run GPMC Wizard
- Right Click on Domain or OUs that you want to create Group Policy
- Choose Create the GPO in the Domain then Write name for New GPO then click OK.
- Right Click on New GPO then choose Edit another wizard will appear on the screen, and there are two main configuration Computer Configuration and User Configuration.

You can set whatever you want to deploy to Computer Client on Computer or User configuration.

How to create Group Policy on GPMC?

Demonstration

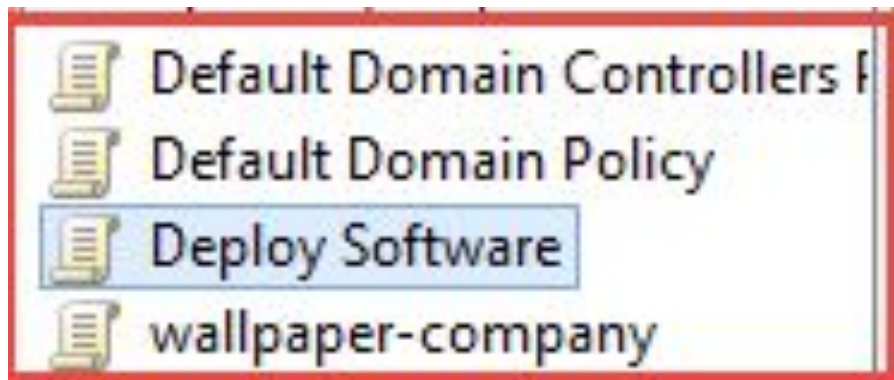**In this demonstration the students will be able to :**

- Create New Group Policy option on GPMC
- Using Enforce Option on Group Policy Object
- Using Block Inheritance option on Group Policy Object

How to Delete Group Policy on GPMC?

How to delete Group Policy Object on GPMC

1. In the Group Policy Management Console (GPMC) console tree, double-click **Group Policy Objects** in the forest and domain containing the Group Policy object (GPO) that you want to delete.
2. Right-click the GPO, and then click **Delete** .
3. When prompted to confirm the deletion, click **OK** .
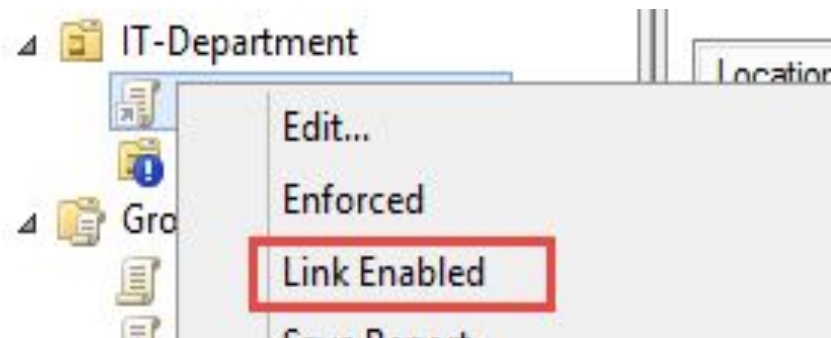
How to Delete Group Policy on GPMC?

How to Disable Group Policy on GPMC?

Step to disable Group Policy Object:

In the Group Policy Management Console (GPMC) console tree, double-click to expand the forest containing the domain, site, or organizational unit (OU) containing the link you want to disable, and then do one of the following:

- Right-click the GPO link. A check mark next to **Link Enabled** indicates that the link is enabled.
- Click **Link Enabled** to disable the link. No check mark will be displayed when the link is disabled.

Demonstration

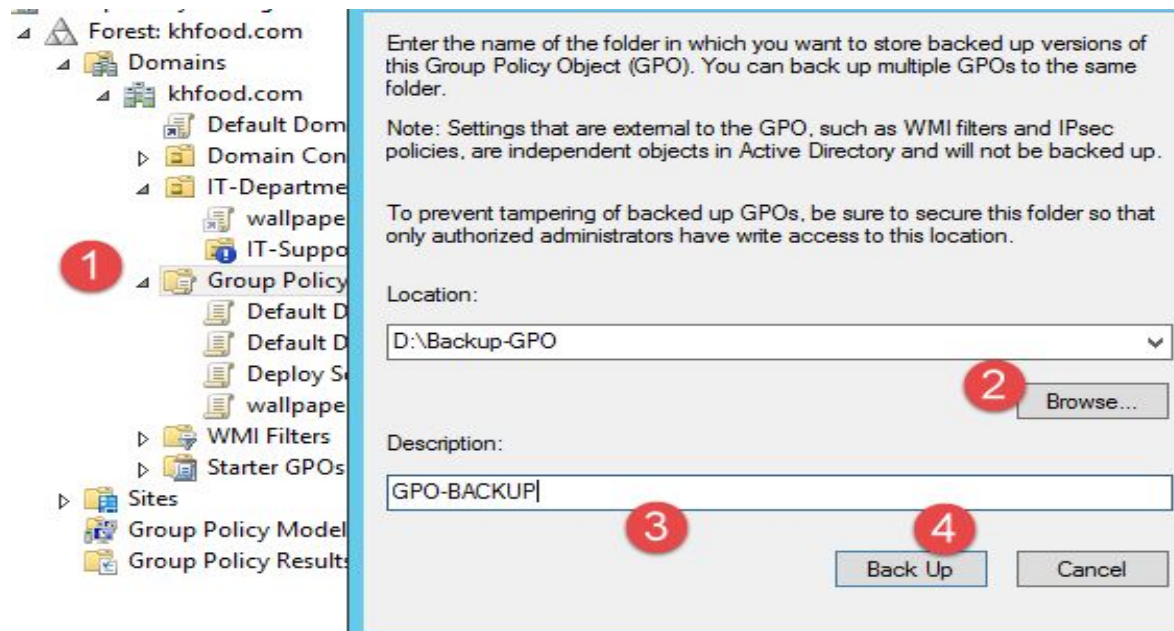**In this demonstration the students will be able to :**

- Delete option on Group Policy Object in GPMC
- Disable option on Group Policy Object in GPMC

How to Backup Group Policy Object on GPMC?

To backup Group Policy on GPMC you can following below:
- Go to Run => GPMC.MSC
- Right click on Group Policy Object Container then Choose on Backup All
- Choose Location that you want to store files backup GPO and Type description (optional) then Click Backup

How to Restore Group Policy Object on GPMC?

To restore GPO on GPMC, when you delete GPO by accident and other some action the affect to GPO, you can restore GPO by following below:

- In GPO console Tree expend Forest, Domain OU
- Right Click on Group Policy Object Console Tree then choose Manage Backup....
- After you click on Manage Backup, you will see other wizard will appear on the screen then you can click on which GPO name that you want to **restore**
- After click on GPO already then choose Restore on below option Tab.
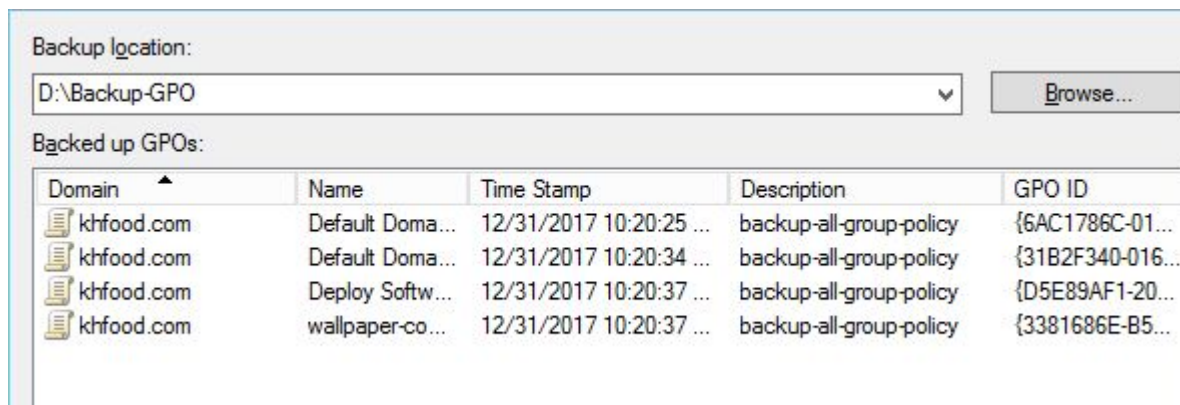
Demonstration

In this demonstration the students will be able to :
- Using Backup option on Group Policy Object in GPMC
- Using Restore option on Group Policy Object in GPMC

Implement Best Practice Using Group Policy

- Managing OUs structure
- Monolithic vs. Functional GPOs
- Try not to use Block inheritance and enforce
- Do not set GPOs at the domain level
- Apply GPO only when you need
- Do not modify the Default Domain Policy
- Apply GPOs at an OU root level
- Don't disable GPOs
- Use descriptive GPO names

Any Questions?