

## Lab - System Utilities

### Introduction

In this lab, you will use Windows utilities to configure operating system settings.

### Recommended Equipment

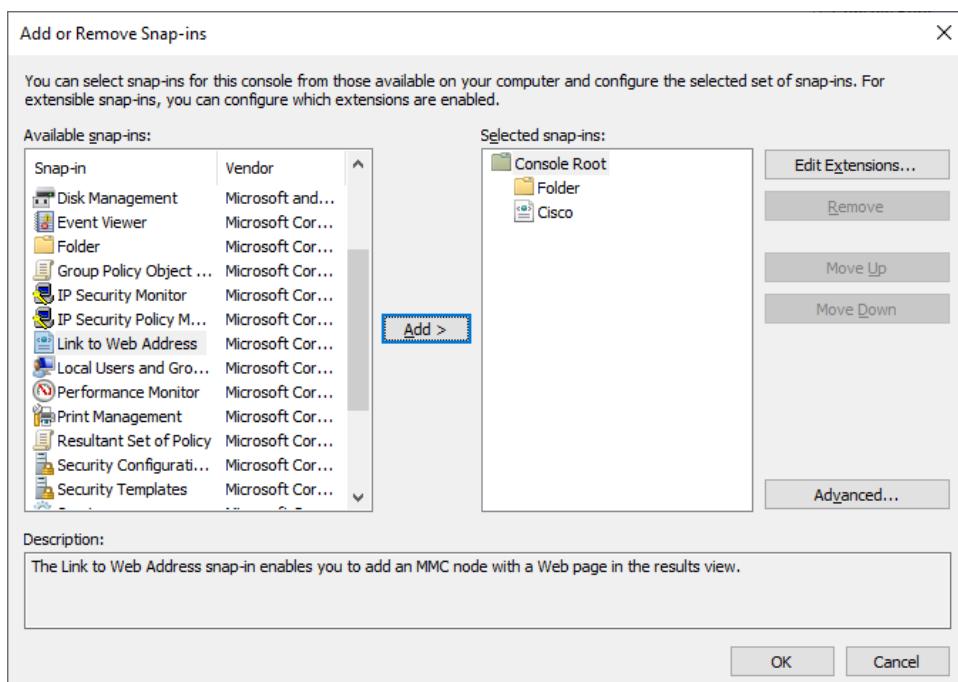
- A computer running Windows

### Instructions

#### Part 1: Custom Management Console

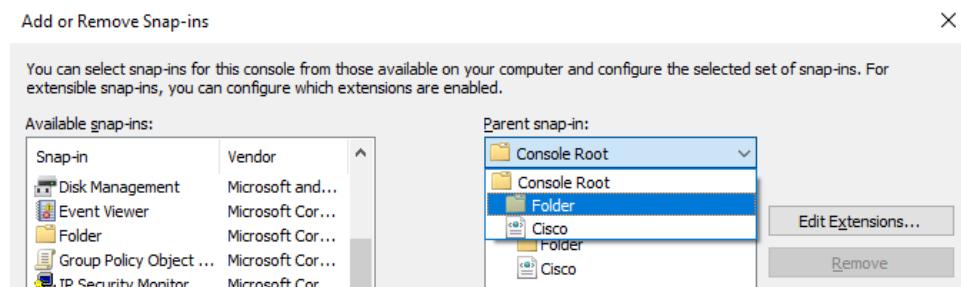
##### Step 1: Explore the management console.

- To open the Microsoft Management Console, click **Start**, and search for **mmc**. Click **Yes** to allow Microsoft Management Console to make changes to the computer.
- In the **Console1 - [Console Root]** window, you can build a custom console. Click **File > Add/Remove Snap-in**.
- In the **Add or Remove Snap-ins** window, you can add a folder snap-in. Scroll down the Available snap-ins: pane to locate the **Folder** snap-in. Select **Folder** and click **Add>**.
- To add the **Link to Web Address** snap-in, scroll down the Available snap-ins: pane and select **Link to Web Address**. Click **Add>**. In the **Link to Web Address** wizard window, enter <http://www.cisco.com> in the **Path or URL:** field, click **Next>** to continue.
- In the Friendly name for the Link to Web Address snap-in box, enter Cisco and click **Finish** to continue.



## Step 2: Create a custom management console.

- a. To add snap-ins to the folder snap-in, click **Advanced**.
- b. The Advanced window opens. Select Allow changing the parent snap-in. Click **OK**.
- c. A drop-down menu appears for **Parent snap-in**. In the **Parent snap-in** box, select **Folder**.



- d. Add the following snap-ins from the Available snap-in: pane: **Computer Management**, **Device Manager**, and **Disk Management**. In each of the snap-in windows, click **Finish** to select to use the snap-in to manage the Local Computer or This computer.
  - e. Click **OK** to continue to exit the Add or Remove Snap-ins window.
  - f. In the **Console1** window, right-click the **Folder** icon and select **Rename**. Change the name of the folder to **Management Tools**.
  - g. To save the custom console, click **File > Save As**. Change the file name to your name. Example: **John's Console**. Change the **Save in** box to **Desktop**. Click **Save**.
  - h. Close all open windows.
  - i. On the desktop, double-click the **Console** icon that contains your name to re-open the console with your snap-ins. Click **Yes** to allow this application to make changes to your device as necessary.
  - j. Review the **Management Tools** folder by double-clicking on the tools.
  - k. Within your custom console, navigate to the Event Viewer.
- Question:
- What was the path you use to navigate to the Event Viewer?
- Console Root → Event Viewer → Windows Logs**
- l. Close the **Console** window when you finish your review. Click **No** when prompted to save the changes.

## Part 2: Registry Editor

### Step 1: Change your desktop background settings.

- a. Right-click the Desktop > select **Personalize**.

Question:

What is the background picture?

**Blue shaped Color with a combination of purple and light view on the sides.**

- b. In Windows 10, select **Solid color** in the Background drop-down list. Choose a **blue** background color.

In Windows 8.1 and 7, click **Desktop Background**. Select **Solid Colors** in the Picture Location drop-down list. Choose a **blue** background color.

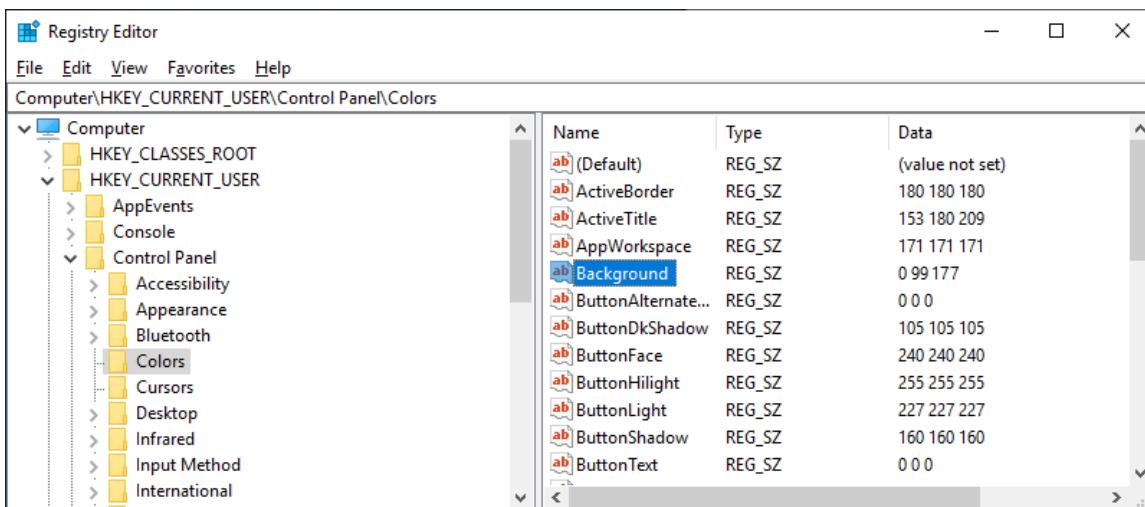
- c. Click **Save changes**. The computer screen should now have a blue background. If not, ask the instructor for assistance.
- d. Close all open windows.

### Step 2: Open the registry editor.

- a. To open the **Registry Editor**, click **Start** and type **regedit**. Click **Yes** to allow Registry Editor to make changes to the computer.

**Note:** Do not make any changes in the Registry Editor without instructor permission.

- b. Select and expand the **HKEY\_CURRENT\_USER** entry.
- c. Expand **Control Panel**. Click **Colors**. Click **Background** in the right panel.



Question:

What is the data value of the Background (hint – it has three numbers that correspond to red, green, and blue)?

0 0 0

### Step 3: Export a registry key.

You will export the **HKEY\_CURRENT\_USER\Control Panel\Colors** folder.

- a. In the left pane, select the **Colors** folder and click **File > Export**.
- b. Save the file to the Desktop with the name **BlueBKG**.
- c. At the desktop, right-click the **BlueBKG.reg** icon and select **Edit**.
- d. Notepad opens displaying the contents of **BlueBKG.reg**.

Question:

What is the data value of the **Background**?

0 0 255

- e. Close the **BlueBKG.reg – Notepad** window.
- f. Open the Personalization window by right-clicking the **Desktop > Personalize > Desktop Background**. Select a **red** background color.

- g. Click **Save** changes. Close the **Personalization** window.
- h. The desktop background should be red. Click the **Registry Editor** window.
- i. On your keyboard, press **F5** to refresh the **Registry Editor** window.

Question:

What is the data value of the Background? Compare the new value in the Registry to the value saved in BlueBKG.reg.

**255 0 0**

### Step 4: Import a registry file.

You will import the **BlueBKG.reg** file to change the Desktop ground back to blue.

- a. Click the **Registry Editor** window.
- b. Click **File > Import**. Locate and click the **BlueBKG.reg** file then click **Open**.
- c. The **Registry Editor** informational message opens letting you know that keys and values have been successfully added to the registry. Click **OK**.
- d. Select the **Registry Editor** window.

Questions:

What is the data value of the Background?

**0 0 255**

What is the color of the desktop?

**Blue**

- e. Restart the computer.

Question:

What is the color of the desktop?

**Blue**

- f. Reset **Display Properties Background** to the original settings.
- g. Close all open windows.
- h. Delete the custom console and BlueBKG file on the desktop.

### Reflection Question

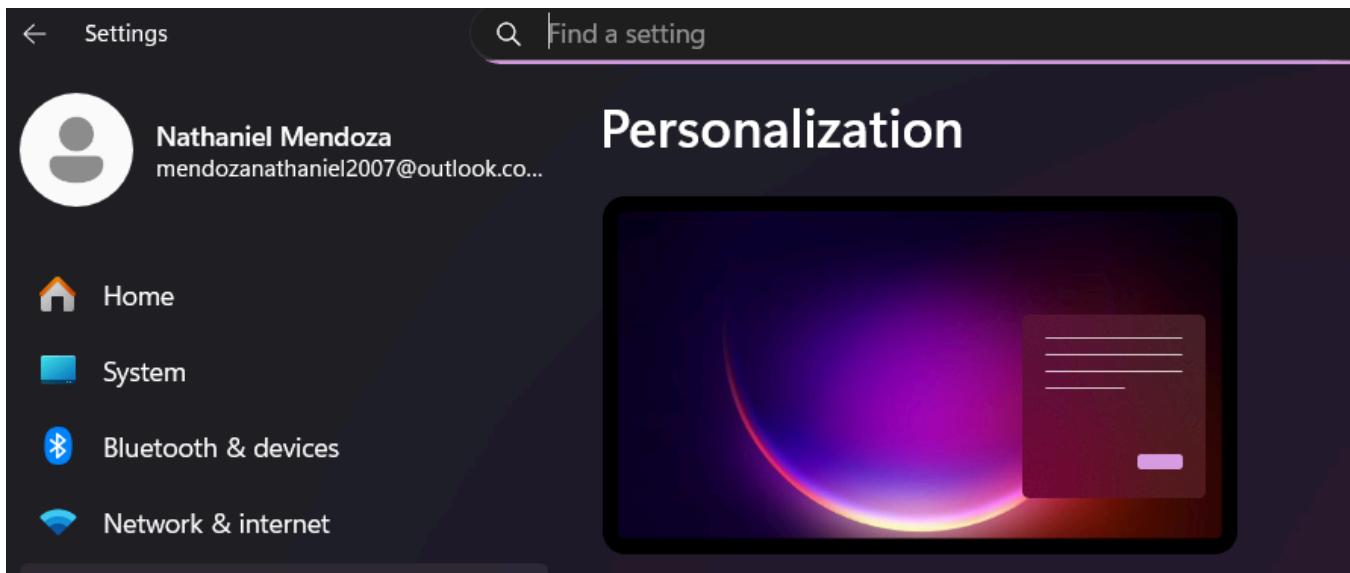
1. Why would it be beneficial to add snap-ins to the mmc that are for other computers on the network?

*It allows administrators to remotely manage and monitor other computers from one location. This saves time, improves efficiency, and makes it easier to configure settings or troubleshoot networked systems without physically going to each computer. I learned that adding snap-ins for other computers helps me manage and monitor them more efficiently without needing to access each one directly.*

2. After restarting the computer, why was the desktop color changed?

*The desktop color changed because the imported BlueBKG.reg file modified the registry settings for the desktop background color. When the computer restarted, Windows applied the new registry values, which changed the desktop color to blue. I realized that the desktop color changed because the registry file I imported automatically applied new background settings after restarting.*

## Documentation



The image shows two windows side-by-side. On the left is the Windows Registry Editor window titled "Windows Registry Editor Version 5.00". It displays a large block of registry key values under the path [HKEY\_CURRENT\_USER\Control Panel\Colors]. On the right is the Windows Task Manager window titled "Nat Console - [Console Root\Management Tools]". It shows a list of open applications: File, Action, View, Favorites, Window, Help, and several icons for file operations. Below this is a navigation pane with "Console Root" expanded to show "Management Tools" and "Cisco". To the right is a list of tasks with their names and icons: Computer Management (Local) and Disk Management(Local).

```
[HKEY_CURRENT_USER\Control Panel\Colors]
"ActiveBorder"="180 180 180"
"ActiveTitle"="153 180 209"
"AppWorkspace"="171 171 171"
"Background"="0 0 0"
"ButtonAlternateFace"="0 0 0"
"ButtonDkShadow"="105 105 105"
"ButtonFace"="240 240 240"
"ButtonHilight"="255 255 255"
"ButtonLight"="227 227 227"
"ButtonShadow"="160 160 160"
"ButtonText"="0 0 0"
"GradientActiveTitle"="185 209 234"
"GradientInactiveTitle"="215 228 242"
"GrayText"="109 109 109"
"Hilight"="0 120 215"
"HighlightText"="255 255 255"
"HotTrackingColor"="0 102 204"
"InactiveBorder"="244 247 252"
"InactiveTitle"="191 205 219"
"InactiveTitleText"="0 0 0"
"InfoText"="0 0 0"
"InfoWindow"="255 255 225"
"Menu"="240 240 240"
"MenuBar"="240 240 240"
"MenuHilight"="0 120 215"
"MenuText"="0 0 0"
"Scrollbar"="200 200 200"
"TitleText"="0 0 0"
"Window"="255 255 255"
```