

Overview of the ISE Part 1

Getting around in the ISE

In this lecture we're going to dive in and take a close look at the awesome Intelligent Scripting Environment or the ISE

But before we do that, let me show you **again** how to **pin the ISE to the taskbar then customize it to run as administrator. Log into your computer as administrator.**

Now type PowerShell, right click on 64 bit version of Windows PowerShell ISE

Click pin to taskbar. Hold down the shift key then Right click on the PS icon in the taskbar, then click properties. Click shortcut, then click advanced now check run as administrator, click ok then click ok again.

Now let's go ahead and click your **PowerShell ISE** Icon that we just created. (Should come up in administrator mode)

- a. Now we're gonna take a look at the **menu bar – File, edit, view, tools Debug, Add-ons and Help**. We're not going to go over each and every option here, but we will hit the high points.
- b. The buttons on the tool bar allow you to run tasks related to writing and running scripts. **Items on the menu bar show the default keyboard shortcuts.**
I provided you a pdf document called keyboard shortcuts for the ISE. Be sure to download that as well.

File – You can save or use save as to name and choose a location for your PowerShell script. One thing I want to point out to you is that Scripts are saved with a **.ps1** extension

Edit – You can cut, paste, search, find and go to specified locations in your script.

Start Snippets - (ctrl-J) Provides code that you can cut and paste to your script.

View

- Show Toolbar – Menu and buttons are displayed or disappear as needed
- Show Script pane – Displayed or removed
- Show Outlining Regions - It permits me to mark sections of the script that will collapse or expand. - Demonstrate
- Show command add-on – **Demonstrate** how you can insert a command to a script, and then run the script.
- Demonstrate - The next three commands shift the script pane around the desktop.

Tools/Options

- This is where you configure the ISE display. I'll show you that in the next lecture.

Debug

- With debug you can troubleshoot your scripts. Using debug you can step through the script execution, and see how the script runs. We won't be covering scripting in this lecture.

Add-ons – (Commands Add-on must be turned on)

- Later, when you are more comfortable with PowerShell, come back to this page and check it out. This link provides various tools that have been created by the PowerShell Community.
- Be sure View, Show Command Add-on is checked, this will give you more help options under Add-ons.
- You can download various tools from the PowerShell gallery

Help

- You can use Windows PS ISE help
- You can use Windows PS help
- Use Show Command Windows

Toolbar:

For the most part the buttons on the toolbar are self-explanatory. If you need an explanation refer to the documentation. New script - allows you to open a new script

- Open script – **Open an existing script**
- Save script – Save a script
- Cut – Cntrl +X – Allows you to cut the selected text and copy to the clipboard.
- Copy – Cntrl + C - Allows you to copy the selected text and copy to the clipboard.
- Paste - Cntrl + V – Allows you to paste the contents of the clipboard at the cursor location
- Clear Console Pane – Clears the contents of the console pane
- Undo/Redo – Reverses the action just performed. Performs the action that was just undone.
- Run Script (f5) – Runs a script
Notice the error, I'll show you how to fix that later.
- Run Selection (f8) Runs the selected portion of the script

- Stop Operation (Ctrl+Break) Stops the current script from running
- New Remote PowerShell Tab – Allows you to connect to a remote computer with the proper credentials
- Start PS console in a separate Tab – Opens the PowerShell console in a separate window
- Show Script Pane Top – Moves the script pane to the top of the screen
- Show Script Pane Right – Moves the Scripting pane to the right
- Show Script Pane Maximized – Maximizes the scripting pane

ISE has three sections for display

- Show Script Editor Pane on top
- Show Script Editor Pane on right
- Show Script Editor Pane Maximized

Hide Script Pane Button

- **Shows Maximized Command Window**

Zoom slider

- Use the slider to zoom in or out of the console.

Thanks for watching, and I 'll see you in the next lecture.