

The background is a vibrant, abstract graphic. It features a series of overlapping, wavy bands of color in a rainbow spectrum, transitioning from red and orange on the left to yellow and green on the right. On the right side, there is a bright, multi-colored sunburst or starburst effect that radiates outwards, with colors ranging from blue and purple to yellow and green. The overall composition is dynamic and energetic.

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Interactive Python with Jupyter Notebook

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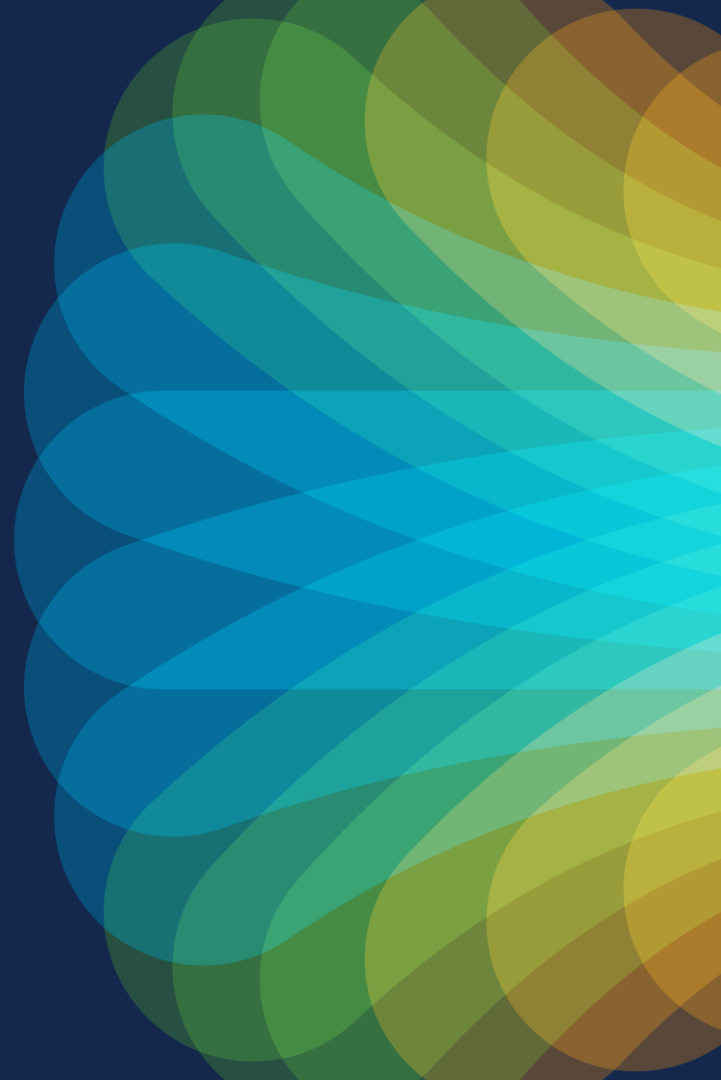
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Agenda

- What is Jupyter Notebook
- Installation & Use
- NetBox
- Demo
- What's Next
- Questions

What is Jupyter Notebook?



Jupyter Notebook

- Interactive Python tool
 - CLI like experience
 - Execute line by line
 - Web interface
- Use cases for Engineers:
 - Analysis
 - Visualizations
 - Live demonstrations



Installation & Use

Prerequisite: Python

1. Ensure latest pip

```
pip3 install --upgrade pip
```

2. Install Jupyter Notebook

```
pip3 install jupyter notebook
```

3. Open Jupyter Notebook:

```
jupyter notebook
```

Reference: <https://docs.jupyter.org/en/latest/install/notebook-classic.html#prerequisite-python>

NetBox

- IP address management (IPAM) and data center infrastructure management (DCIM)
- Open-source
- "Source of Truth" to power network automation.





Demo

What's Next?

1. Install Jupyter Notebook
2. Go to Demo Netbox & export data to a csv file:
<https://demo.netbox.dev/>
3. Play with Pandas

QR Code for GitHub Link



<https://github.com/CiscoLearning/ciscolive-ciscou-1008>

Questions



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Thank you

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The background features a vibrant, multi-colored abstract design. On the left, there are overlapping, wavy bands of color in shades of red, orange, yellow, and green. On the right, a bright white light source emits a series of sharp, radiating lines in various colors, creating a sunburst or starburst effect that transitions through yellow, green, and blue towards the edges.

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