





Microservices at the Networks Edge



DEVWKS-2934





Agenda

- Introduction
- What is IOx?
- What is a DevNet Sandbox?
- Let's prepare and install an application!
- Conclusion and Next Steps



Introduction



About our workshop

We will:

- Familiarize with Cisco IOx
- Get to know Cisco DevNet Sandboxes
- Prepare, install and operate your application to lox

We will not:

- Use an automated control-plane for the installation
- · Optimize the application or the application image



Please...

• If you have questions, don't hesitate to ask!

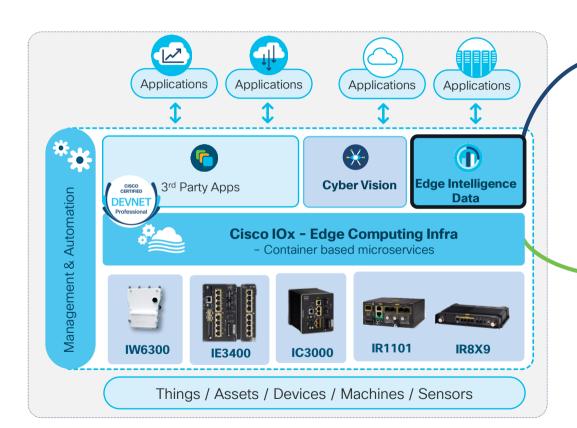
• Do not follow the guide blindly!



What is IOx?



Cisco IOx



{Buy}

Get Started Fast



Using Cisco Edge Intelligence for edge data processing is the fastest and easiest way to process and send data from the edge

{Or Build}

Your Own App



Using Cisco IOx compute infrastructure and development environment you can build your own Docker app that runs at the edge. You manage the lifecycle of your application and monitor its operation.

Cisco IOx - Summary

- Cisco IOx is short for "Cisco IOS + Linux"
- Cisco IOx allows you to host applications
- Cisco IOx provides access to subsystems and subtended devices
- Cisco IOx is being supported on many devices from the Cisco portfolio
- Applications can be created in VM-style or Docker-style
- Applications can be managed by CLI, IoT OD or Local-Manager
- See: https://www.cisco.com/c/en/us/products/cloud-systems-management/iox/index.html



What is a DevNet Sandbox?

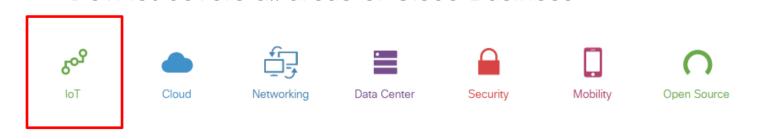


Cisco DevNet

DevNet supports Developers with various resources



DevNet covers all areas of Cisco Business



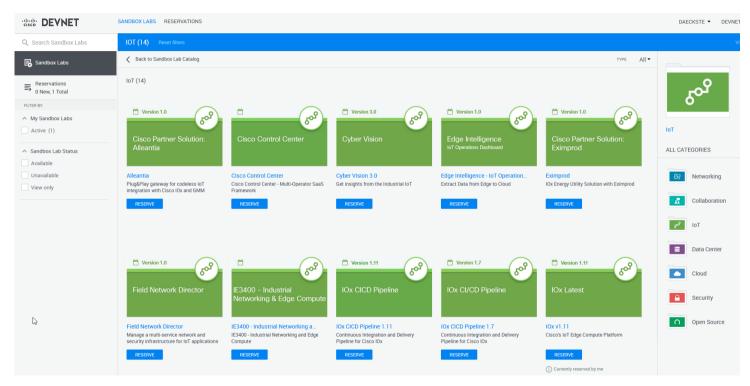


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Collaboration

Services

Cisco DevNet - Sandbox



https://devnetsandbox.cisco.com



Let's prepare and install an application!

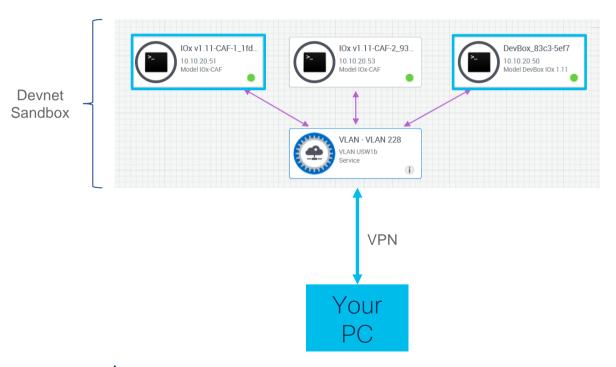


Preparing and installing an application!

- The overall Setup
- Access your Sandbox
- Create your docker image
- Save your docker image
- Install your docker image to your IOx
- Access your running application

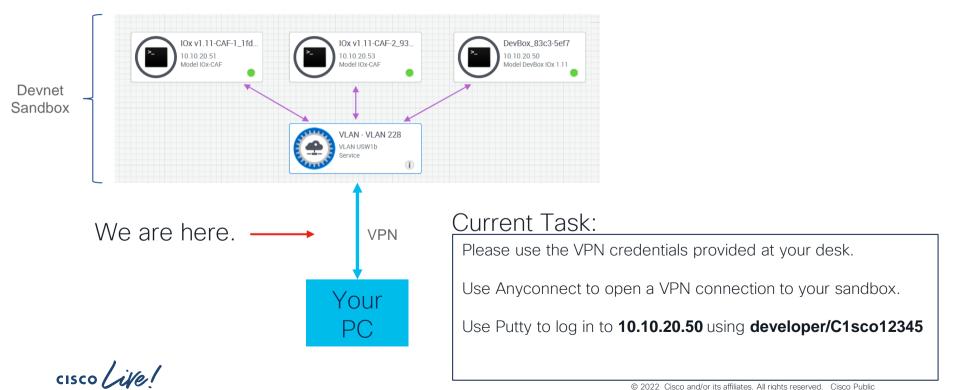


The overall Setup

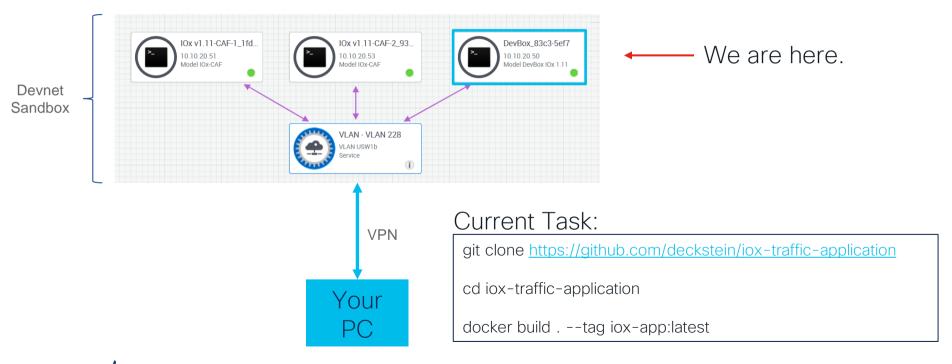


- 1. Get Access
- 2. Create a Docker image
- 3. Deploy your image
- 4. Start your application

Access your Sandbox

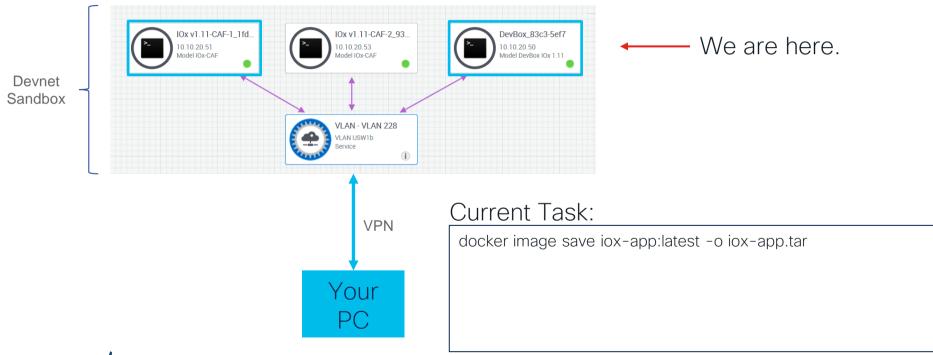


Create your Docker Image

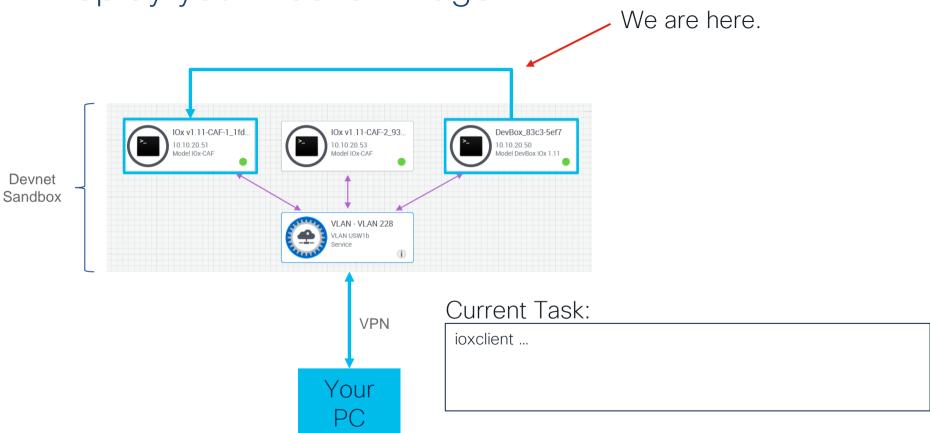




Save your Docker Image



Deploy your Docker Image



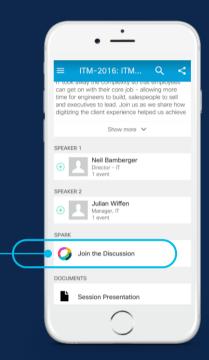
Cisco Webex

Questions?

Use Cisco Webex to chat with the speaker after the session

How

- 1 Find this session in the Cisco Events Mobile App
- 2 Click "Join the Discussion"
- 3 Install Webex or go directly to the team space
- 4 Enter messages/questions in the team space



ciscolive.ciscoevents.com/ciscolivebot/INSERT SESSION ID

Continue your education





Complete your online Session Survey



- Please complete a minimum of 4 session surveys and the overall conference survey (starting Thursday) to help us with the future planning of Cisco Live
- All surveys can be taken in the Cisco Events Mobile App or by logging in to the Session Catalog on ciscolive.com/emear
- Cisco Live sessions will be available for viewing on demand after the event at ciscolive.com



Thank you



