



IgniteNet U Overview

IgniteNet U is a training program designed to allow our customers (operators, integrators, and managed services providers) to rapidly adopt, deploy, and operate IgniteNet based networks worldwide.

The general structure of the classes will be:

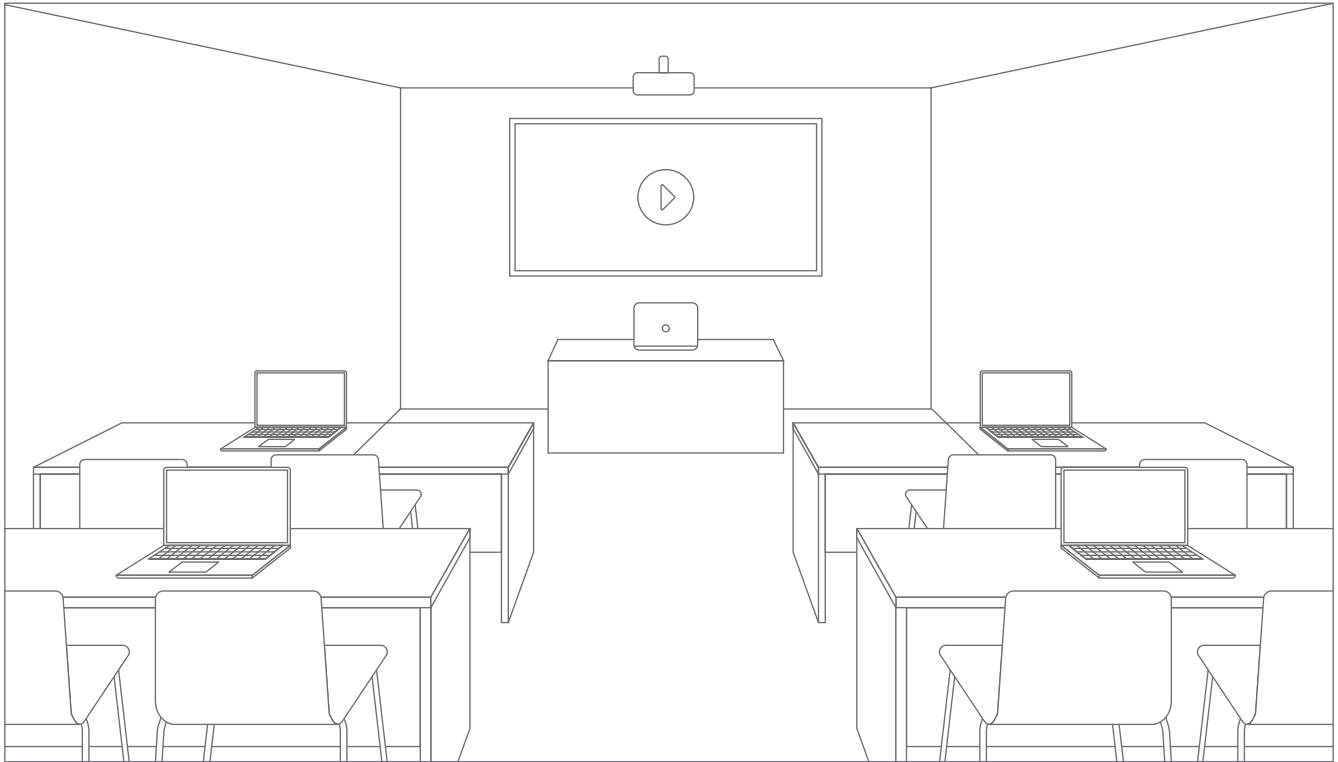
- 1-2 days in duration
- Certified instructor teaches the class
- Lab sessions led by instructor
- Exam at the end of the class
- Course certificate provided after completing exam
- Training manuals provided to students

To facilitate massive adoption of the program, IgniteNet will follow a tiered training approach where IgniteNet will train and certify IgniteNet Certified Trainers (INCT) who will then be responsible for holding training classes.

These courses consist of a lecture with presentation slides that follow the manual topics. There will also be occasional breakout labs that the students will use to perform hands on functions and features. At the end of the class, there will be an exam administered through the IgniteNet training portal. After completion of this exam with a passing grade, students will be able to view and print a course completion certificate.

Classroom Layout

The layout of the classroom will typically consist of a projector and table for the Instructor's materials in the front of the room and student tables or desks for the students' computer and training materials.



Break-Out Lab Sessions

The lab activities are written with enough detail for students to follow carefully and understand the objectives. Students should read through each lab with the instructor prior to completing the activities step-by-step. Due to the constraints of the classroom, some lab activities may require the instructors to split students into lab groups at the INCT's discretion. For these activities, the students will follow the lab instructions as a group but will answer each of the lab questions in their lab manuals individually. The lab manual provides more detail about lab setup options.

Course Outline

1. IgniteNet Introduction

- About IgniteNet
- IgniteNet Ecosystem
- Cloud Introduction

2. MetroLinq and Meshlinq Introduction

- Platform Overview
- Key Features and Advantages
- Product Line Overview
- Next Generation Networking

Break for questions, snacks, etc

3. RF Theory and Link Design

- Electromagnetic Waves (supplemental section)
- Electromagnetic Spectrum (supplemental section)
- Channels and Modulation (supplemental section)
- Regulations and Compliance
- Free-Space Path Loss and Decibels
- 60 GHz Oxygen Absorption and Rain Fade
- Antenna Principles
- Multipath and Fresnel Zones
- Link Budgets and LinqPath
- Link Design Summary and Examples
- Lab Activities

Break for lunch

4. Operation and Deployment

- Deployment Planning and Best Practices
- Setup and Configuration
- Installation and Alignment
- Link Tuning and Testing
- Troubleshooting
- Lab activities

Break for questions, snacks, etc

5. Cloud deep-dive (supplemental chapter)

- Cloud Structure
- Cloud Administration
- Add-on features
- Debugging
- Lab activities

6. Summary, Review and Certification test