

Minerva 10

2019

Online Training Schedule and Syllabus



Minerva 10

2019 Online Training Schedule

	J	anu	ary	201	9			F	ebru	Jary	201	9				Mai	rch 2	2019					Ap	ril 2	019		
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Course Modules - Days/ Times (USA PT)

DAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MODULE	1. End User Client Operations - STB & Mobile	3. Channels, Lineups, Regions & Packages	4. ACTools	8. Administration & Troubleshooting
TIME	8:00 AM to 10:00 AM	8:00 AM to 10:00 AM	8:00 AM to 9:00 AM	8:00 AM to 10:00 AM
MODULE	↓ ↓ ↓	↓ ↓ ↓	5. Billing & Extraction	↓ ↓ ↓
TIME	\checkmark	\downarrow	9:00 AM to 10:00 AM	\checkmark
BREAK	40.00			
BREAK	10:00 AM to 11:00 AM	10:00 AM to 11:00 AM	10:00 AM to 11:00 AM	10:00 AM to 11:00 AM
MODULE	2. Customer Account Creation/ Management	3. Channels, Lineups, Regions & Packages continued	6. Minerva Support	8. Administration & Troubleshooting continued
	2. Customer Account Creation/	3. Channels, Lineups, Regions & Packages		8. Administration & Troubleshooting
MODULE	2. Customer Account Creation/ Management	3. Channels, Lineups, Regions & Packages continued	6. Minerva Support	8. Administration & Troubleshooting continued
MODULE TIME	2. Customer Account Creation/ Management 11:00 AM to 1:00 PM ↓ ↓	 3. Channels, Lineups, Regions & Packages continued 11:00 AM to 1:00 PM ↓ ↓ 	6. Minerva Support 11:00 AM to 12:00 PM 7. Admin System	 8. Administration & Troubleshooting continued 11:00 AM to 1:00 PM ↓ ↓

Minerva 10 Online Training:

Minerva Networks training courses are designed to provide your team with the knowledge they need to deploy and use the Minerva 10 system on a daily basis. Each course is only 1 to 4 hours long and is delivered online by trained Minerva Networks experts.

Convenient online delivery : The training courses cover all of the key areas required to implement the Minerva 10 system.

Comprehensive set of modules: The training courses cover all of the key areas required to implement the Minerva 10 system.

Experienced training staff: Each of the Minerva's trainers has had at least 4 years hands-on field experience with Minerva Networks.



Course: End User Experience Course Module 1

Module Duration - 2 Hours

Intended audience:

- Installers, Technicians
- CSRs
- > Help desk
- Administration
- Headend Engineers
- Marketing, Sales, Management
- Anyone wanting an understanding of the end user experience

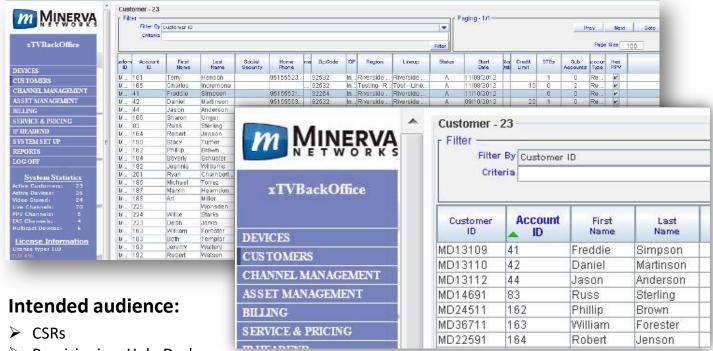
What you will learn in this module:

- Overview of the Minerva 10 screens and operations across multiple devices (Set Top Boxes, mobile phones, tablets, PC/Mac, ROKU box and Amazon Fire TV).
- Activation process for STBs and other client devices, booting, etc.
- Explanation of the Home Screen and the stripes at the Set Top Boxes.
- The TV Grid and various Guide views explained and demonstrated.
- User initiated TV remote control commands explained & demonstrated (guide, menu, info, red, green, yellow, blue, arrow keys, etc.
- The Info bar explained.
- Searching through the guide demonstrated.
- Parental Controls, overriding from the menu, unlock, etc.
- Adding programs and series to customer Favorites as well as creating Favorites lists, editing and using multiple Favorites list.
- Sub-Accounts and Set Top Box Logins.
- DVR operation, Restart TV, Catchup TV, VOD operation, ordering, etc.



Course: Customer Account Creation/ Management Course Module 2

Module Duration - 2 Hours



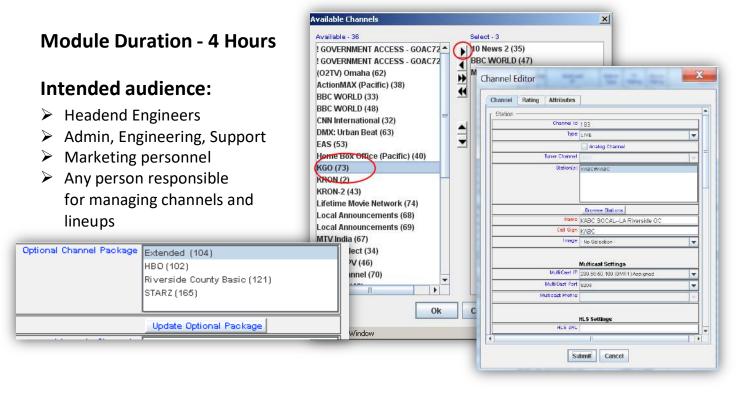
- Provisioning, Help Desk
- Admin, Engineering, Support
- Anyone who manages customer provisioning

What you will learn in this module:

- Customer Accounts how to add new customer accounts & edit existing ones.
- Complete explanation of customer account fields, required & unrequired.
- Activating Devices using account numbers, phone number or Customer ID.
- Explanation of the M10 Customer ID and Account ID and which matches a Service Provider's Billing System
- How to set up and change Parental Controls on behalf of the customer, retrieve forgotten PINs and customer password changes, block channels, set credit limits, enable or disable services, require PIN usage, logins, limit the number of STB devices and mobile devices etc.
- Assigning Services Service Packages, Channel Packages, User services & Mobile
- Activating, deactivating & deleting customer accounts.
- How to locate/track Device IDs within the M10 system and delete devices so they can be activated to another customer account.



Course: Channels, Lineups, Regions & Packages Course Module 3



What you will learn in this module:

- Channels students learn how to create channels and associate channels with the TV Listing data service, the multicast IP addresses and port numbers or the HLS URL values.
- Pay Per View Channels are created.
- Channel Lineups students learn how to create channel lineups with independent channel numbering for different Service Areas. Also, you will learn how different channel lineups may be useful for particular communities, campuses, etc.
- Regions you will learn how to create regions, and associate themes, channel lineups, languages, time zones and other properties.
- Channel Packages students learn how to create channel packages, how to make channel packages which cross multiple regions or which are specific to a given region.
- Service Packages Students learn how Service Packages are combinations of channel packages and other features available to the customer.
- Final review Channels, Lineups, Regions and Packages



Course: ACTools Course Module 4

Module Duration - 1.0 Hour

Intended audience:

- Headend Engineers
- Admin, Engineering, Support
- Network Operations personnel Individuals responsible for maintaining/ supporting the IPTV system.

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What you will learn in this module:

- How to enable user access to the ACTools functionality.
- Logging into the ACTools functionality.
- The Admin Client/ ACTools Interface
- Overview of the ACTools Tabs
- STB Status, "alive" versus "dead" nomenclature, the meaning of the version parameters listed in the various screens.
- Tracking devices/ device IDs within the ACTools tab as well as within the Devices tab of the admin screens
- Troubleshooting scenarios
- Running and stopping jobs
- Resyncing & Rebooting STBs
- Filtering by region, wildcard, Device ID, Mac Address, etc.
- The History Tab



Billing and Extraction Course:

Course Module 5

Module Duration - 1 Hour



6:37 PM

Please enter your Master PIN and press OK to rent the selected asset

PIN required

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6

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Intended audience:

- IT Engineers or computer system administrators in charge of servers
- Marketing
- Accounting
- Admin, Engineering
- Tech Support

What you will learn in this module:

- Recurring and non-recurring charges as they relate to M10 and a Service Provider's billing system.
- Billing files Extraction, delivery and usage
- Minerva 10 billing reports within the scheduled cron jobs of M10
- Technical differences between the TAB format and the ARB format
- Using the TAB format for inventory and verification matching to your billing system.
- Using the M10 system to create invoices and access incurred customer charges.
- How to identify charge reversals within the M10 system.



Course: Minerva Technical Support Course Module 6

Module Duration - 1 Hour

Intended audience:

- IPTV, IT Engineers or computer system administrators in charge of servers
- Admin, Engineering
- Tech Support
- Headend Technicians



What you will learn in this module:

- How to sign-up for a support account to access the Web support portal.
- How to generate and manage support tickets.
- Setting priority levels for support tickets.
- How to access the Knowledge Base, searching methods, links to useful information.
- How to download product documentation, software service packs and hot patches from the eSupport site.
- When and how to escalate your issues.
- Understand the best ways to interoperate with Minerva support staff and expedite problem resolution.

M10 - Online Training

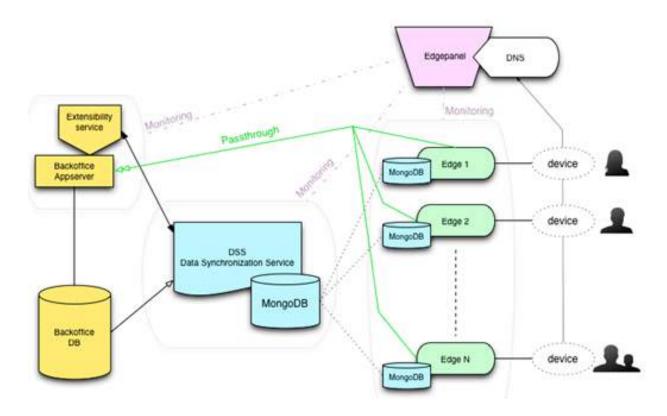


Course: M10 Architecture Overview Course Module 7

Module Duration - 1 Hour

Intended audience:

- Headend, IPTV and IT Engineers, Server System administrators
- Engineering operators
- Tech Support personnel
- Headend Technician



What you will learn in this module:

- System architecture overview.
- System operation overview.
- Back Office to Edge system synchronization.
- General client server communication overview.

M10 - Online Training



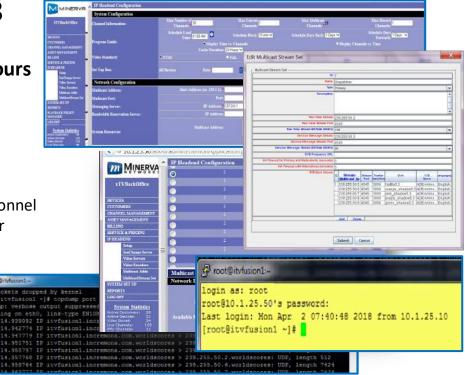
Course: Administration & Troubleshooting

Course Module 8

Module Duration - 4 Hours

Intended audience:

- Headend Technicians
- Admin, Engineering, Support
- Network Operations personnel
- Individuals responsible for maintaining/ supporting the IPTV system.



What you will learn in this module:

- M10 general operations, maintenance, setup/configuration screens and menus.
- Both methods of operation (HLS Unicast and multicast) operation will be explained.
- Multicast addressing setup: You will learn how the M10 system regulates the use of these multicast addresses.
- The Dispatcher functionality will be explained and demonstrated.
- Configuration of the multicast control (Runtime and Message) streams as it relates to setup needs as well as the various boot streams within the M10 Back Office configurations.
- Using the tcpdump command to troubleshoot the M10 system
- Using the tail command to watch logs and troubleshoot problems.
- Checking, starting and stopping WebLogic, appropriate Linux commands and directories, troubleshooting.
- Linux login, cron jobs, log files, process management
 - DB Backup
 - Loading EPG data
 - Daily, weekly and monthly maintenance checks
- Adding new admin users.
- Basic troubleshooting techniques:
 - Checking logs.
 - Finding root causes of basic failures.

M10 - Online Training