



CAP and CAPsMAN and SXT Workshop

Training outline

Duration:

1 days

Objectives:

By the end of this training session, the attendant will be familiar with Controller Access Points Manager. He/she will understand how to configure Access Point Controller and how to setup and manage local and remote Access Points and troubleshooting of a MikroTik wireless. Point to Point Wireless link setup and how to achieve the highest throughput using dual and triple MIMO Radios. Troubleshoot and using wireless tools.

Target audience:

Anyone who wants to learn how to use and configure MikroTik routers.

Course prerequisites:

It is recommended that the attendant is familiar with TCP/IP networking fundamentals.

Title	Objective
Wireless Tools	<ul style="list-style-type: none"> o Wireless Tools + LAB <ul style="list-style-type: none"> o Scan o Frequency usage o Spectral Scan/History o Snooper o Align o Sniffer
Wireless Troubleshooting	<ul style="list-style-type: none"> o Troubleshooting wireless clients + LAB <ul style="list-style-type: none"> o Registration table analysis o Ack-Timeout/Distance o CCQ o TX/RX Signal Strength <ul style="list-style-type: none"> o Frames and HW-frames o Data-rates
Transparent wireless links	<ul style="list-style-type: none"> o Wireless Transparent Bridge + LAB o WDS bridging o AP/Station-WDS o Pseudobridge o MPLS/VPLS tunnel
CAPsMAN	<ul style="list-style-type: none"> o Centralized management of RouterOS APs <ul style="list-style-type: none"> o Dual Band AP support o Provisioning of APs o MAC and IP Layer communication o with APs Certificate support for AP communication Full and Local data o forwarding mode RADIUS MAC authentication o Custom configuration support