

MikroTik Certified Network
Associate (MTCNA)

What to Expect

- Identify various RouterBOARD models and types
- Learn all basic functions of MikroTik RouterOS for daily usage
- Learn basic knowledge of MikroTik RouterOS for preparation to get the Advanced Course
- Learning-by-doing (if you wish)
- Get prepared for Certification Test

Certification Test

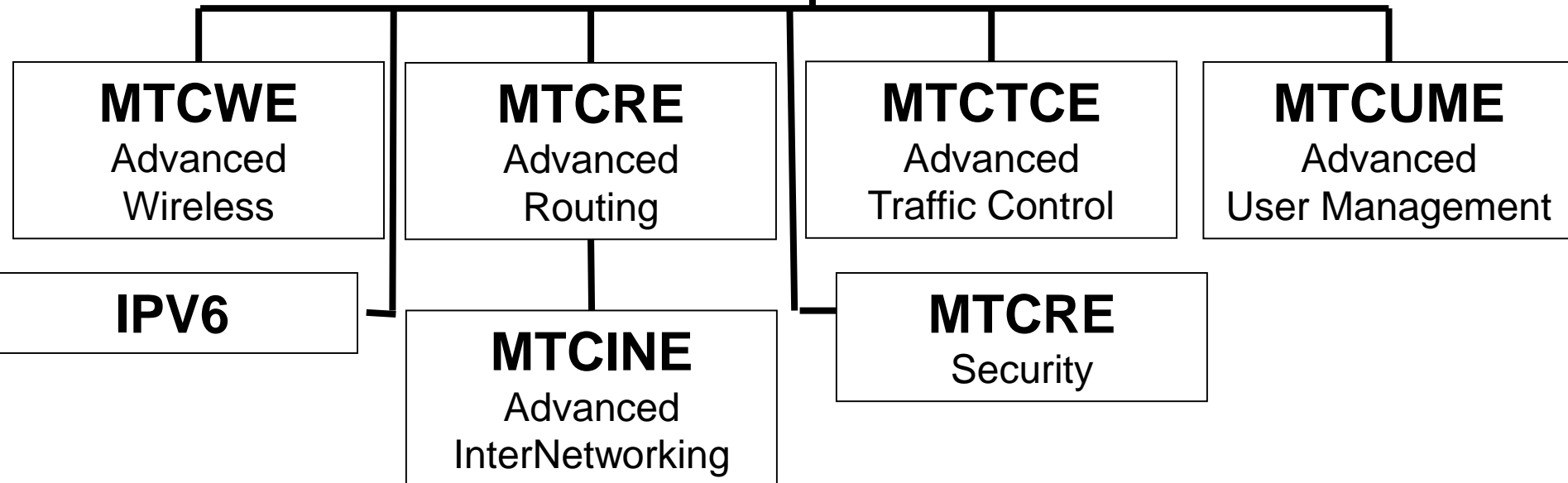
- Online at www.mikrotik.com
- There will be 25 question, time limit is 1 hour
 - No need to check the question with your friend, they will get different question 😊
- Passing grades is 60%
 - Those with score between 50% and 59% will eligible to have second chance (if they want to)
- Those who pass will get completion certificate
 - Those who don't, will get attendance certificate

Introduce Yourself

- Please introduce yourself to the class
 - Name
 - Company
 - Prior experience in MikroTik
 - Prior experience in Networking
 - What do you expect from this training
 - Is there any specific material that you want to emphasize?
 - Is there any case that you think could be solved by MikroTik but you don't know how to solve it?
 - Does your company send you here for a mission on a particular case or scenario?

What Class We Offer?

Here we are now

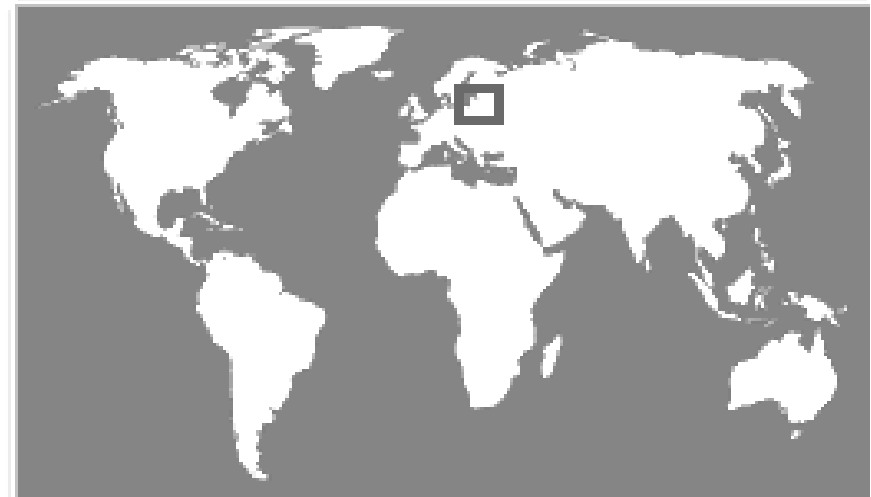


MikroTik RouterOS and RouterBOARD

MikroTik Certified Network Associate

MikroTikls SIA

- Software and Hardware vendor
- Motto : Routing the World
- Location : Riga, Latvia (North Europe)



What is RouterOS and RouterBOARD

- RouterOS

- Software to make a regular PC into a powerful router
- Based on Linux Kernel
- Installed as Operating System

- RouterBOARD

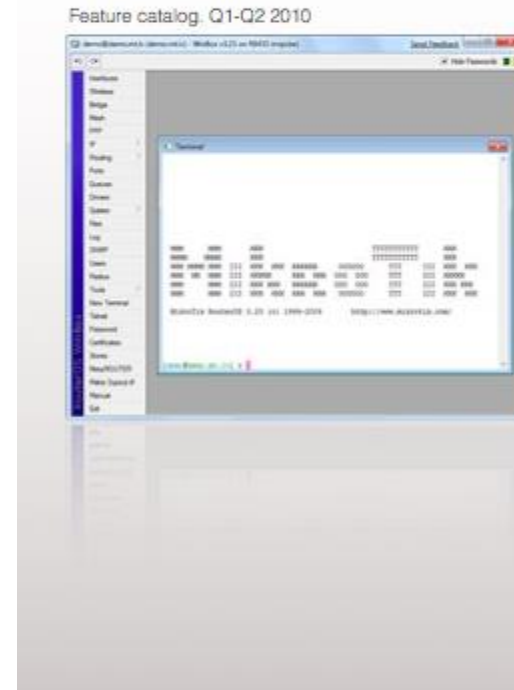
- Hardware (used to be a PC architecture) that use RouterOS as the Operating System
- Available from low-end spec up until Cloud-Core high-end type

RouterOS

- Operating system, based on UNIX platform
- More than just a “router”
- Support lots of peripheral's driver
 - If there is a new unknown device, there is no way to install the driver ourselves
 - Submit the suppout.rif file to MikroTik when the device is attached to the RouterOS

RouterOS Features

- There are lots of RouterOS features that cannot be explained here
- Most of them will be covered during this training class



MikroTik RouterOS

RouterBOARD

- Hardware, designed and produced by MikroTik and use RouterOS as it's operating system
- Various models, types, number of interfaces, etc.
- Developed on several architecture :
 - MIPS be
 - MIPS le
 - PPC
 - TILE

RouterBOARD Architecture

- RouterBOARD build with different architecture
 - Different architecture means different characteristic in processing and addressing memory

RouterOS

Please choose your instruction set:

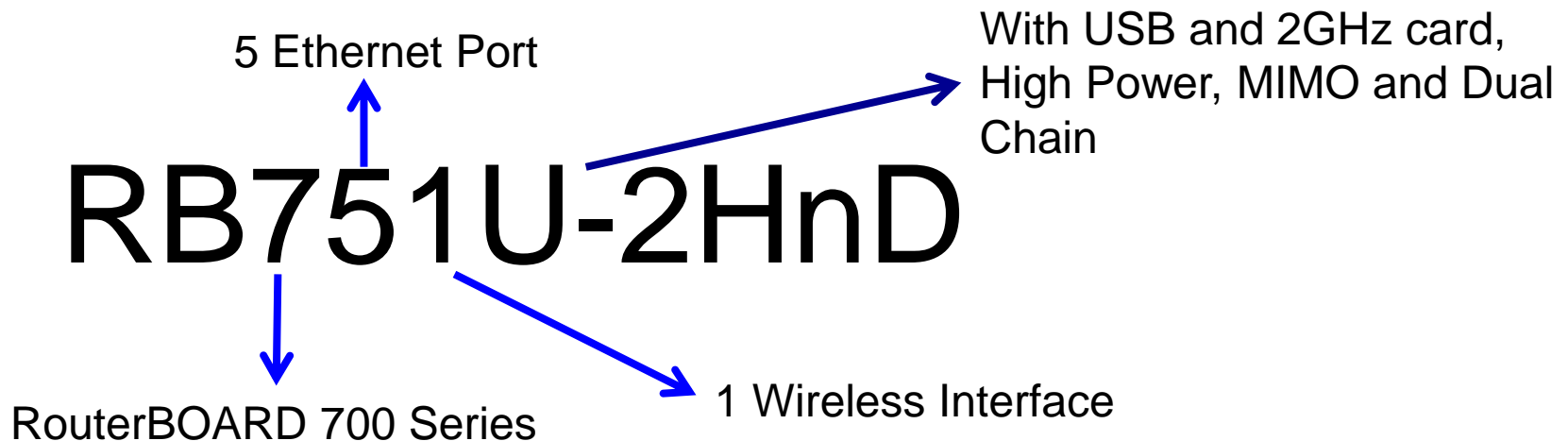
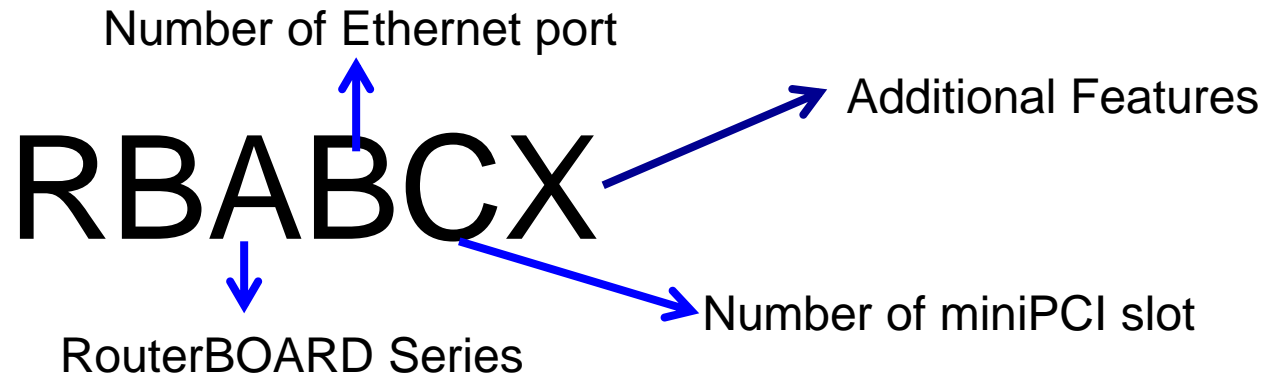
<i>mipsbe</i>	RB400 series, RB700 series, RB900 series, RB2011 series, SXT, OmniTik, Groove, METAL
<i>ppc</i>	RB300 series, RB600 series, RB800 series, RB1000 series
<i>x86</i>	PC / X86, RB230 series
<i>mipsle</i>	RB100 series, RB500 series, RB Crossroads
<i>tile</i>	CCR series
<i>ALL</i>	All system downloads in one torrent file

RouterBOARD Extended Code

- Additional features that come with some type
 - U – equipped with USB port
 - A – Advanced, usually comes with higher license level
 - H – High Performance / High Power
 - R – equipped with embedded wireless card
 - G – equipped with Gigabit Ethernet interface
 - P – equipped with PoE port
 - n – MIMO card
 - D – Dual Chain
 - S – equipped with SFP port
 - L – lite (can be lower license level or lower spec)

RouterBOARD Name Code

- Three Digit Code



RouterBOARD Name Code

- Four Digits Code

RouterBOARD series Additional Features

RBAACCX-X

Interface Information

RouterBOARD 2000 series

RB2011UAS-2HnD

11 Interfaces (one of them is SFP)

With USB, Advanced license level, and SFP port

Additional 2GHz card, High power, MIMO and Dual Chain

RouterBOARD Name Code

- Some new routers, use another formats

RouterBOARD series

Additional Features



NAME-X

SXT-5HnD

SEXTANT

Groove-2

OmniTik

RouterBOARD Comparison

- At least twice a year, MikroTik will release Product Catalog
- You can get the full spec of each type at the Product Catalog

