ISP Setup Administration & Configuration with Mikrotik

Lesson 1. Router Basic
MikroTikBasic, Installation of PC based MikroTik using Vmware, First login to the RouterOS, Interface

Lesson 2. How to configure ISP link:
ISP may give you IP in any one ways of 3 types:
    a) Static IP, b) DHCP IP, c) PPPoE user password

Lesson 3. How to configure your LAN Network:
You can give IP / Internet to your clients in 4 ways:
a) Static, b) DHCP, c) PPPoE, d) Hotspot.

Lesson 4. Bandwidth Control in different ways:
1.   Normal control per IP/dhcp-user/PPPoE/Hotspot user,
2.   Pick-Off pick different speed (like day= 256k, night= 1mb),
3.   Brust limit (speed will up-down, like from 128k to 512k: for shared users)
4.   Equal share in live users (your total bandwidth will equally divided in live users).
5.   Dedicate / Shared (Different group but shared user will get idle bandwidth of dedicate users)
6.   Higher Priority for VIP clients (VIP will get given speed confirm, then rest of others)

Lesson 5. MAC Address Restrict for Static, DHCP, PPPoE, hotspot User will not able to change his IP to get high speed or to bypass filter.

Lesson 6. Bandwidth uses/consumption graph:
Interface wise, per client, per group, with restriction/security.

Lesson 7. Administrative User Password, and its security.
Read only, write permission, full permission user create with allowed IP restriction, login will not allowed if allowed IP does not match even you know correct user password.

Lesson 8. Firewall: Web site filter (per user/group wise/all user):
Web site including https per user or group wise or for all user, filter bypass blocking process.

Lesson 9. NTP Client (Time Server IP)
Configure NTP to update router's time automatically.

Lesson 10. Bridge mode configure