How To Guide: *Getting Started*

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Check Package Contents

The Q-Balancer kit contains:

- Q-Balancer Hardware Appliance

- Rack Mount Kit

- RJ45 Ethernet Cable

- RS-232 Null Modem Cable

- AC Power Cord or External Power Supply

Administrative Access via Web UI

Things you should know before you access the appliance...

- On very last port, there is a default IP: 172.31.3.1/255.255.255.252.

- On the management PC, set IP configuration as below: 172.31.3.2/255.255.255.252, GW: 172.31.3.1.

- Default web UI access is at http://172.31.3.1:4000 or https://172.31.3.1.

Administrative Access via Web UI

The default user name to log in Web UI is 'root'.

172.31.3.1:4000
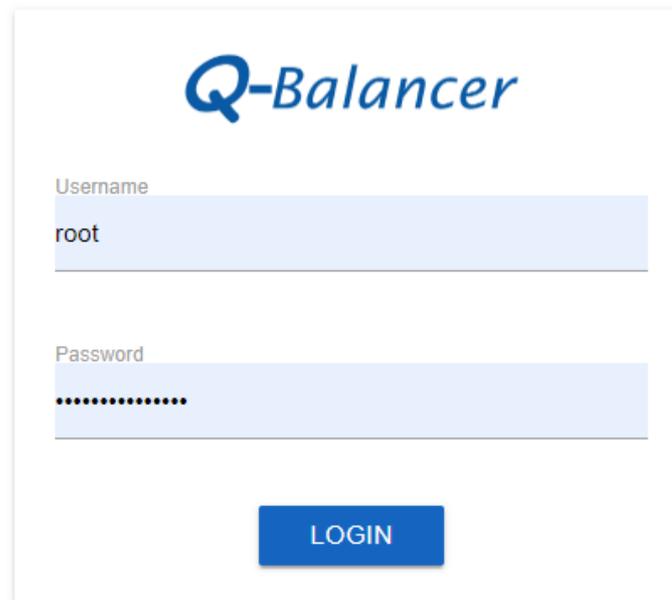
Web UI Overview

First page you see after the login

Web UI Overview

Tree Menu - Part 1

WAN

Tunnels

LAN

Objects

Policy Routing

Dynamic Routing

Server Mapping

Firewall

WAN

WAN links

Tunnels

TMV bonding tunnels

LAN

Subnets on LAN

Objects

A variety of objects for policy-based load balancing

Policy Routing

Failover & load balancing policy for outbound traffic

Dynamic Routing

Routing protocols, RIP/OSPF/BGP

Server Mapping

Rule that forwards the incoming traffic from virtual server(s) to real server(s)

Firewall

Rule that blocks network traffic passing the appliance

Web UI Overview

Tree Menu - Part 2

VPN

Network

DNS

HA

Diagnostic

System

Logs and Reports

VPN

VPN tunnels terminated on the appliance

Network

IP Binding/Virtual NIC/VLAN/Bridges

DNS

Authoritative/Firewall/Multihoming/GSLB

HA(High Availability)

Active/passive modes

Diagnostic

Inbuilt diagnostic tools

System

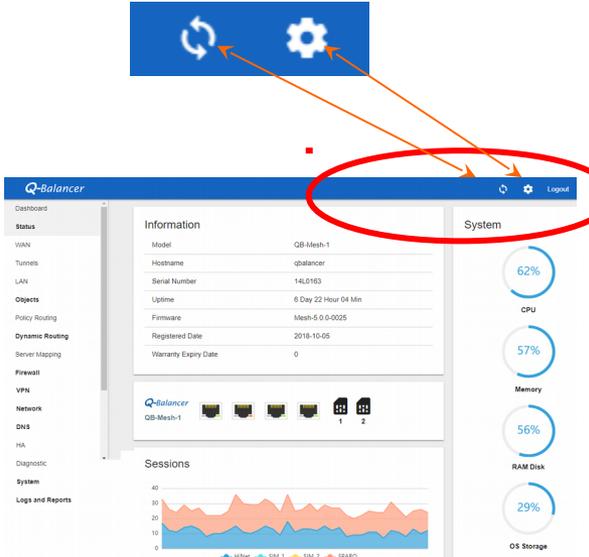Appliance maintenance and host name

Logs and Reports

Query regarding the system and network information

Configuration File Management

- There are 3 default configuration files in the appliance, boot, default, and active.

- The function of them are:
  - boot: loaded when a unit reboots
  - default: factory default
  - active: the configure in use when the appliance is on

Configuration File Management

- - This icon is a switch with which admin can lock/unlock the *Active* configuration file from being modified.

- When the icon appears like , any configuration change made will take effect immediately.

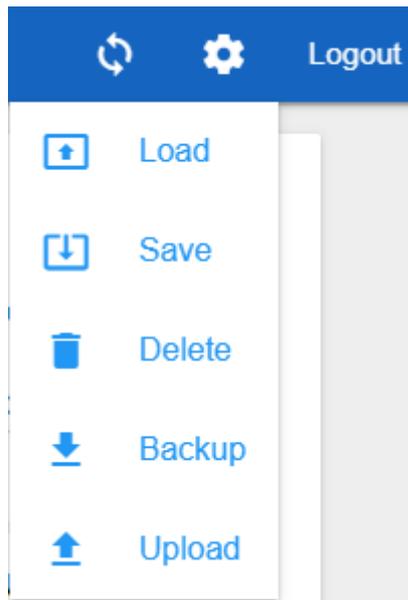- When the icon appears like , the *Active* configuration file can be neither modified nor overwritten.

Configuration File Management

This icon ⚙ provides options to load, save, delete, backup, and upload configuration files.

load/save/delete/
backup/upload

Admin Account Management

System > Admin Account > Overview

Admin Accounts

	Overview		Options		Status

ADD   DELETE

	Edit	Enabled	Username ↑↓	Profile ↑↓	Multiple Login Allowed ↑↓	Kick Out If IP Changes ↑↓
☐	✎	⬤	root	read_write	✓	✗
☐	✎	⬤	wayne	read_write	✓	✗

System > Admin Account > Options

Maximum Online Users

4   ▼
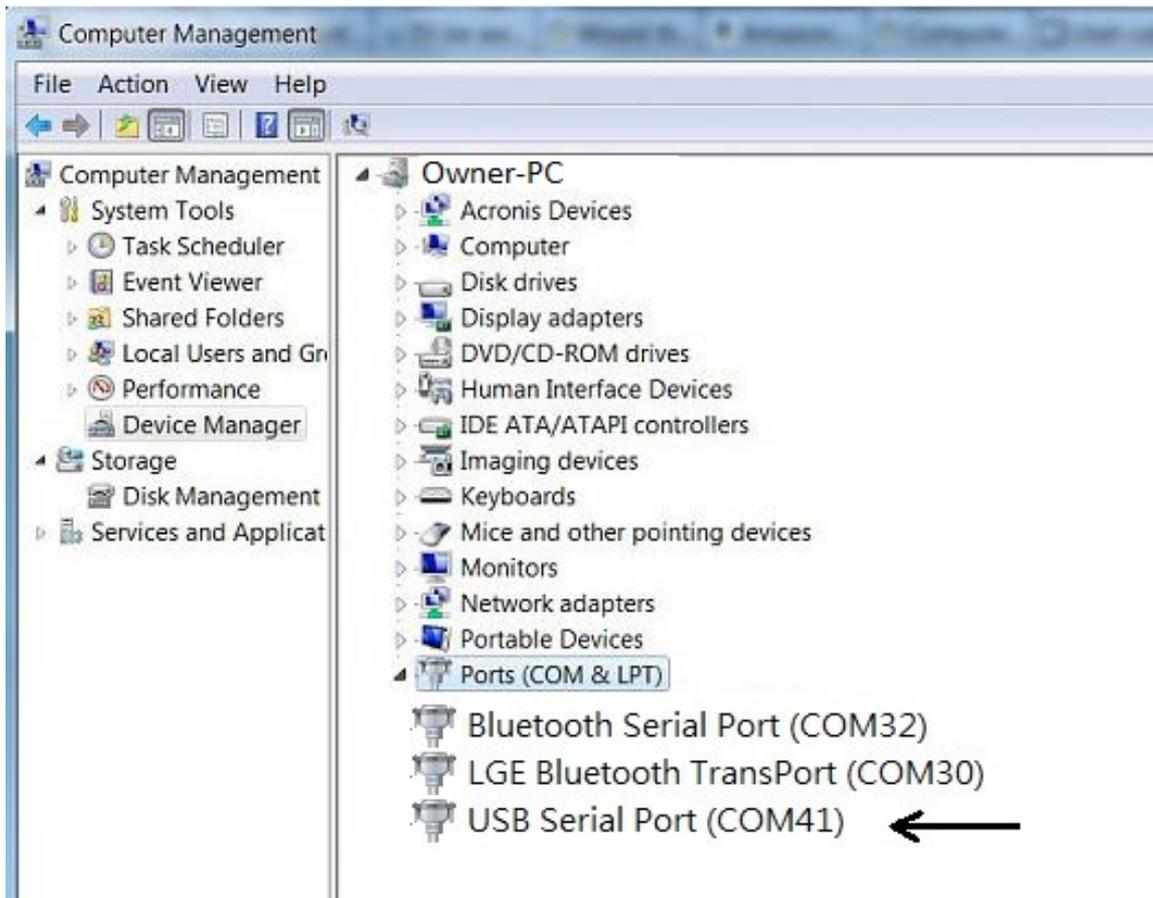
Idle Time Allowed (minutes)

OK

Accessing the CLI via console port using a laptop

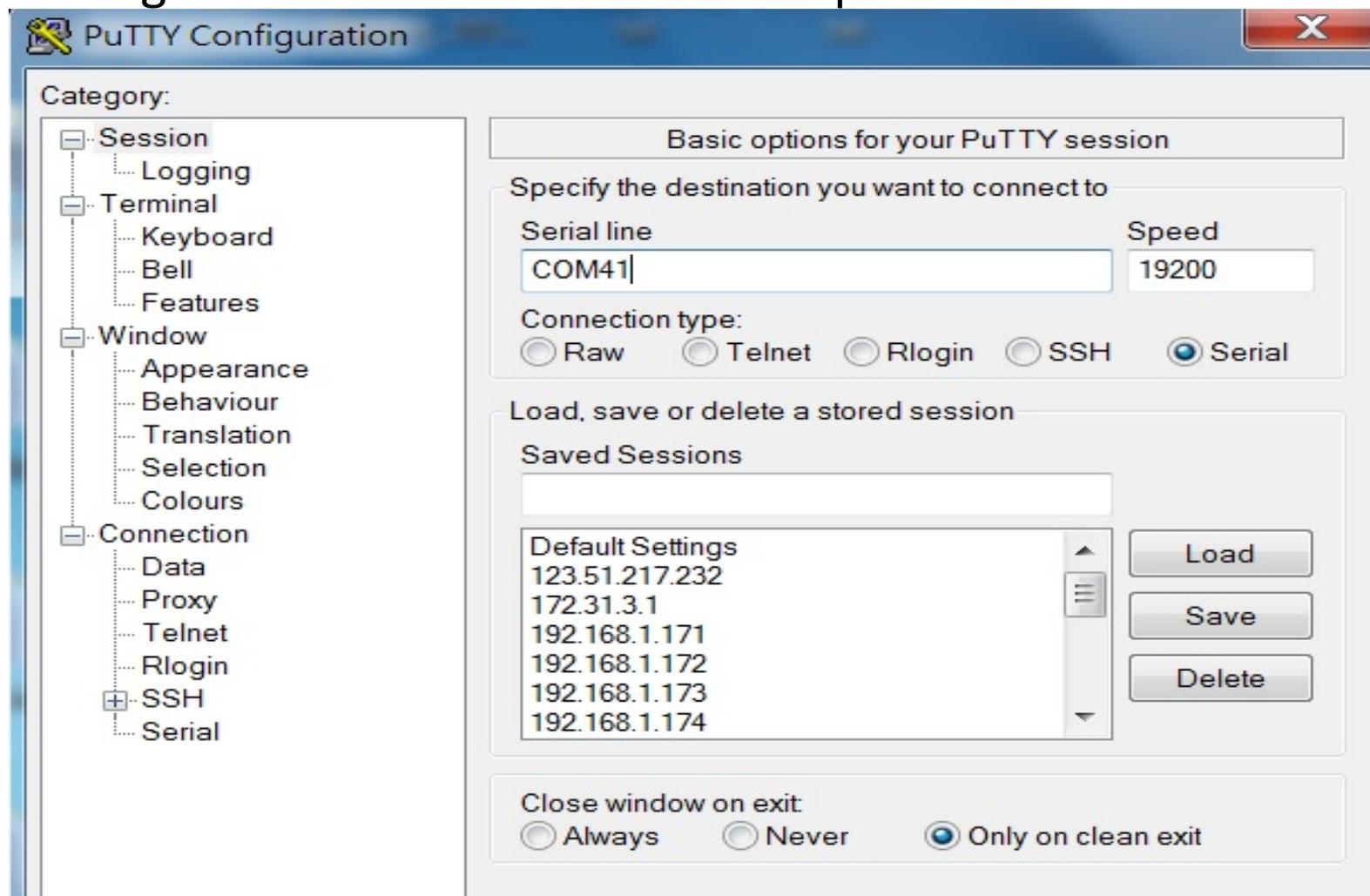- Prepare a Serial Converter connect to your notebook.

Accessing the CLI via console port using a laptop

- Install driver on your OS and u can find the COM port number
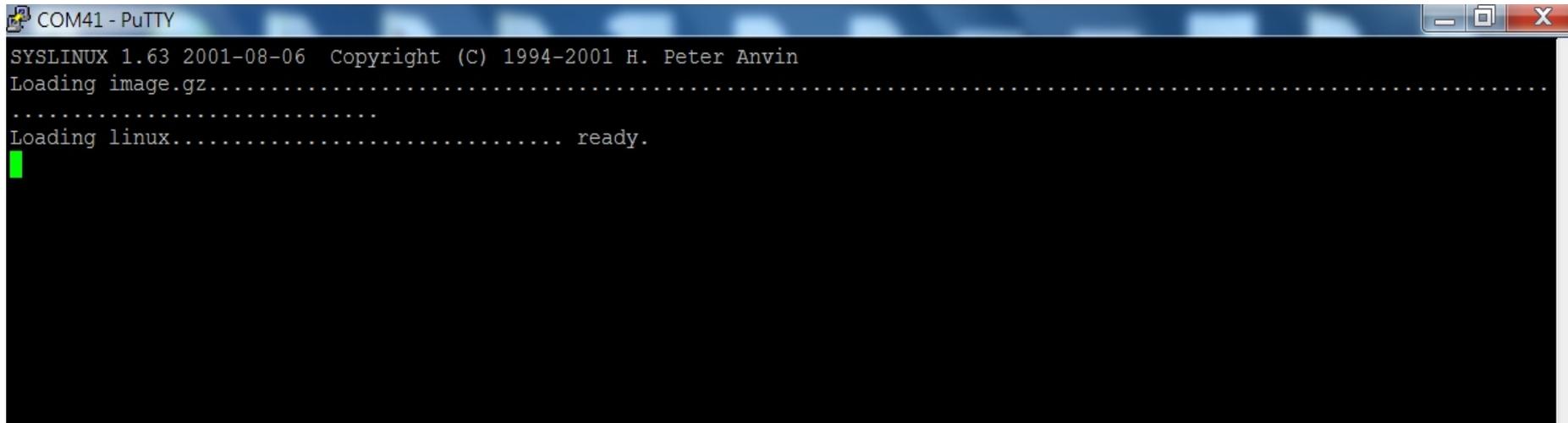
Accessing the CLI via console port using a laptop

- Config baud rate = 19200 and COM port number
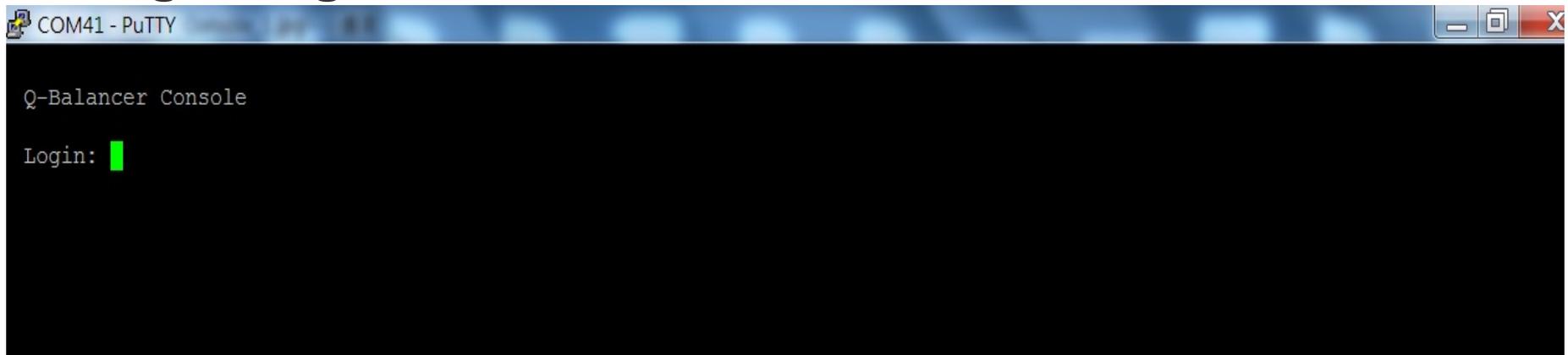
Accessing the CLI via console port using a laptop

- **Booting message :**


```
COM41 - PuTTY
SYSLINUX 1.63 2001-08-06  Copyright (C) 1994-2001 H. Peter Anvin
Loading image.gz...........................................................................
.................................
Loading linux................................ ready.
```

- **Login Page :**


```
COM41 - PuTTY
Q-Balancer Console

Login:
```

Accessing the CLI via console port using a laptop

- Command Line
  ssh/console

- ssh:admin/(the root password of GUI)

  Console:admin/admin_96


```
172.31.3.1 - SecureCRT

File  Edit  View  Options  Transfer  Script  Tools  Window  Help

Welcome to the Q-Balancer Console

1. Rescue Mode
2. Network Status
3. Network Tools
4. Kernel Outputs
5. Operations
6. Reboot System

Press ; to logout

Ready        ssh1: 3DES   13, 21   16 Rows, 51 Cols   VT100
```