

## How to setup a virtual machine for a selfhosted GateManager in Virtual Box

- 2018-02-21 - SecureRemoteAccess

This lesson explains how to setup a virtual machine for the GateManager in Virtual Box

[Download VM Template for Gatemanager](#)



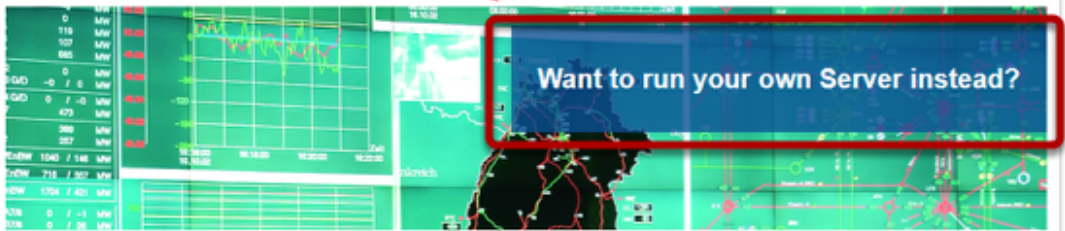
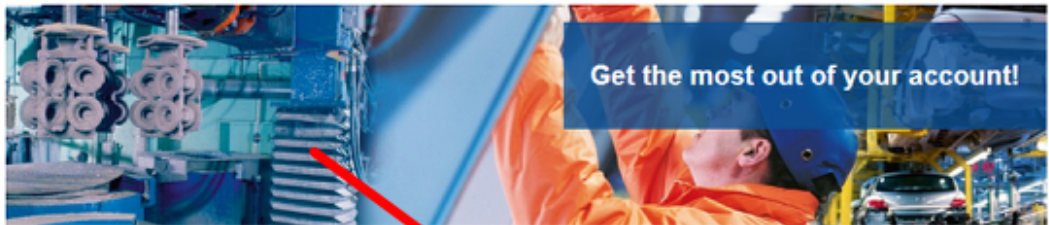
## Secure Remote Access

Combined hardware and software system that brings simplicity to remote network access, programming and diagnostics. Increased network efficiency and security system availability by enabling remote control and diagnostics of programmable logic controllers (PLC) or other network components with minimal IT knowledge needed.

**LinkManager Mobile**



- US
- EU
- Training
- Online Status

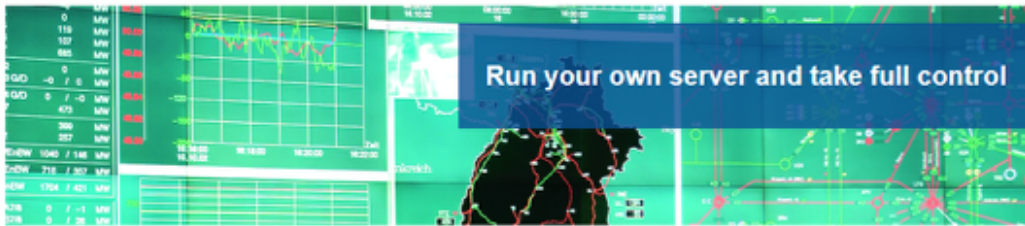


Navigate to the URL [\\*https://www.sra.hirschmann.com/\\*](https://www.sra.hirschmann.com/)

Click on the text "**Want to run your own Server instead**"

Download Administrator Package

## Secure Remote Access - Self-Hosted GateManager



**Step 1 - Set-Up Guides**

- Amazon Cloud
- ESXi
- VMWare

**Downloads**

- **Administrator Package**

**Step 2 - Configuration**

- Basic Configuration

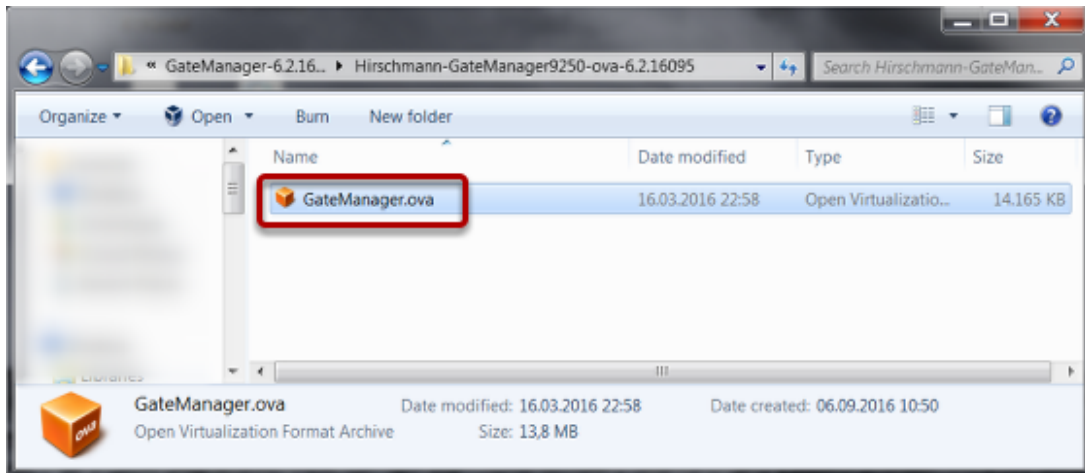
**Support**

Open and follow your technical requests online in our web-based help desk system.



Download the Administrator Package

Extract ZIP File

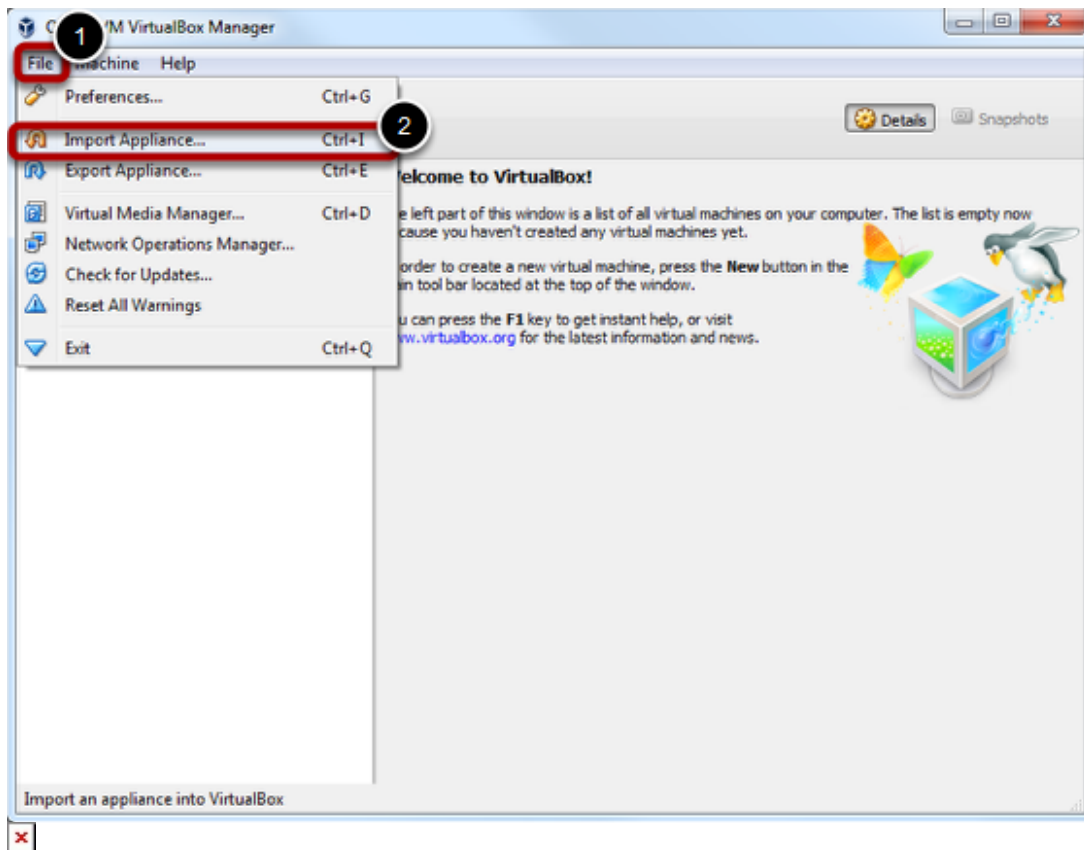


The administrator package contains several files.

The ova template is in the zip file Hirschmann-GateManager9250-ova-6.2.16095.zip

Extract the .ova file to a temporary folder

Create new VM

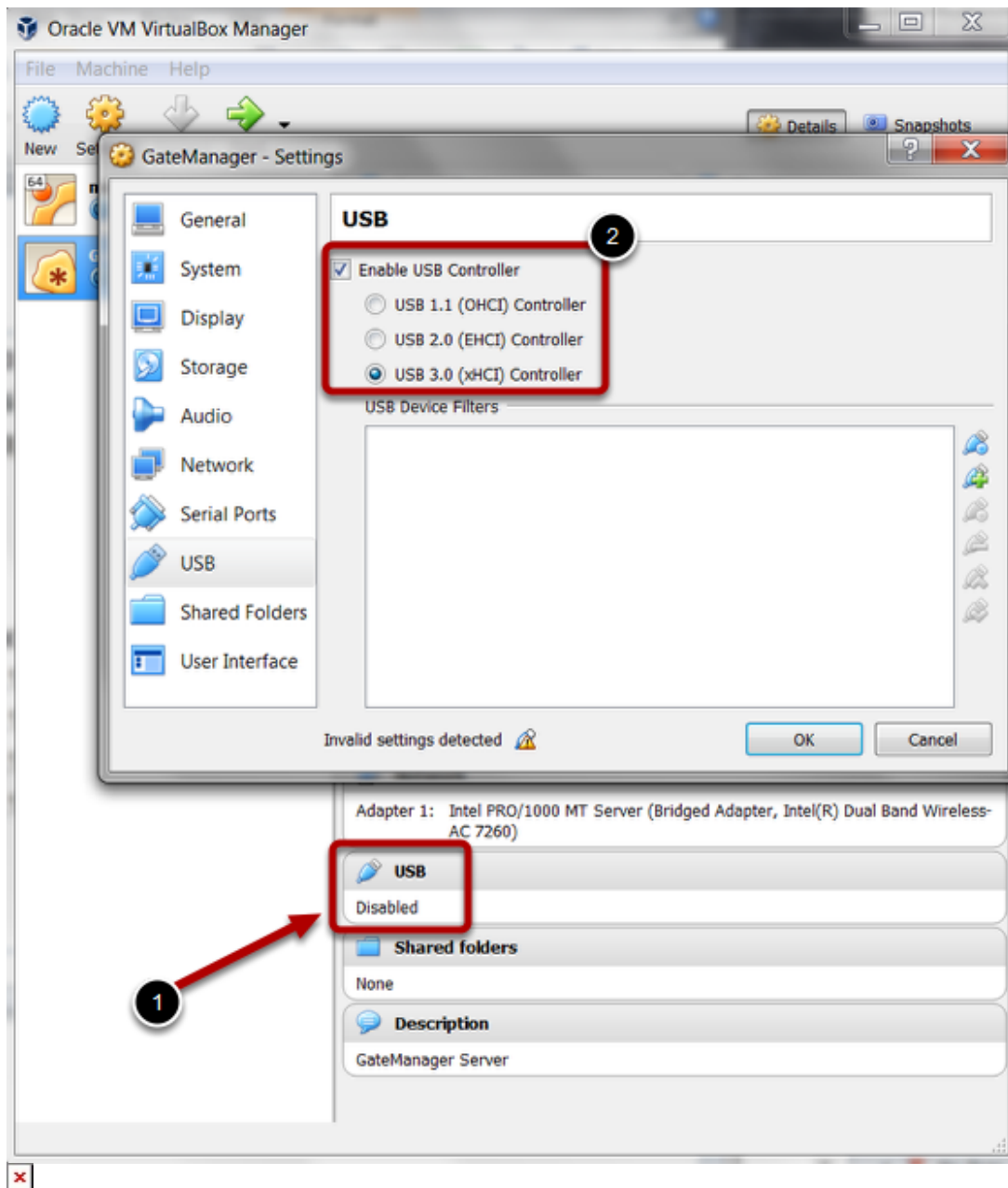


1. Select menu item "**File**"
2. Click on "**Import Appliance...**"

Install Virtual Box







If not already installed, install VB now.

Make sure that you have the extension pack installed.

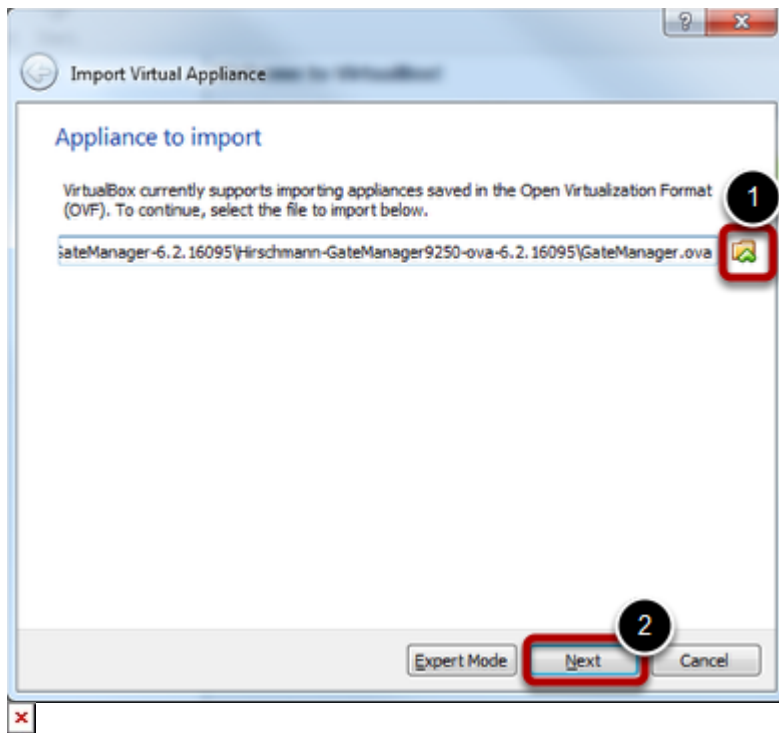
Enable USB support

1. Click on USB

2. Enable USB 3.0 support

Select Appliance to Import



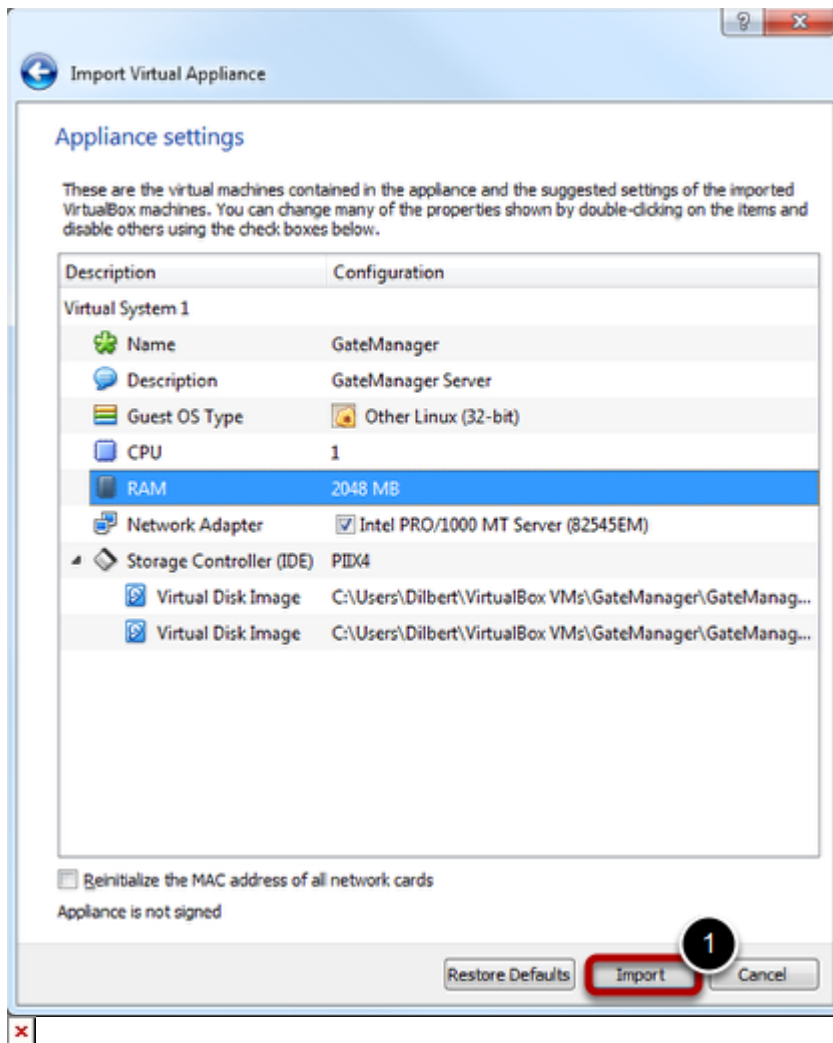


1. Browse and select the file "GateManager.ova"
2. Click button "Next"

Create GateManager VM: OVF Details

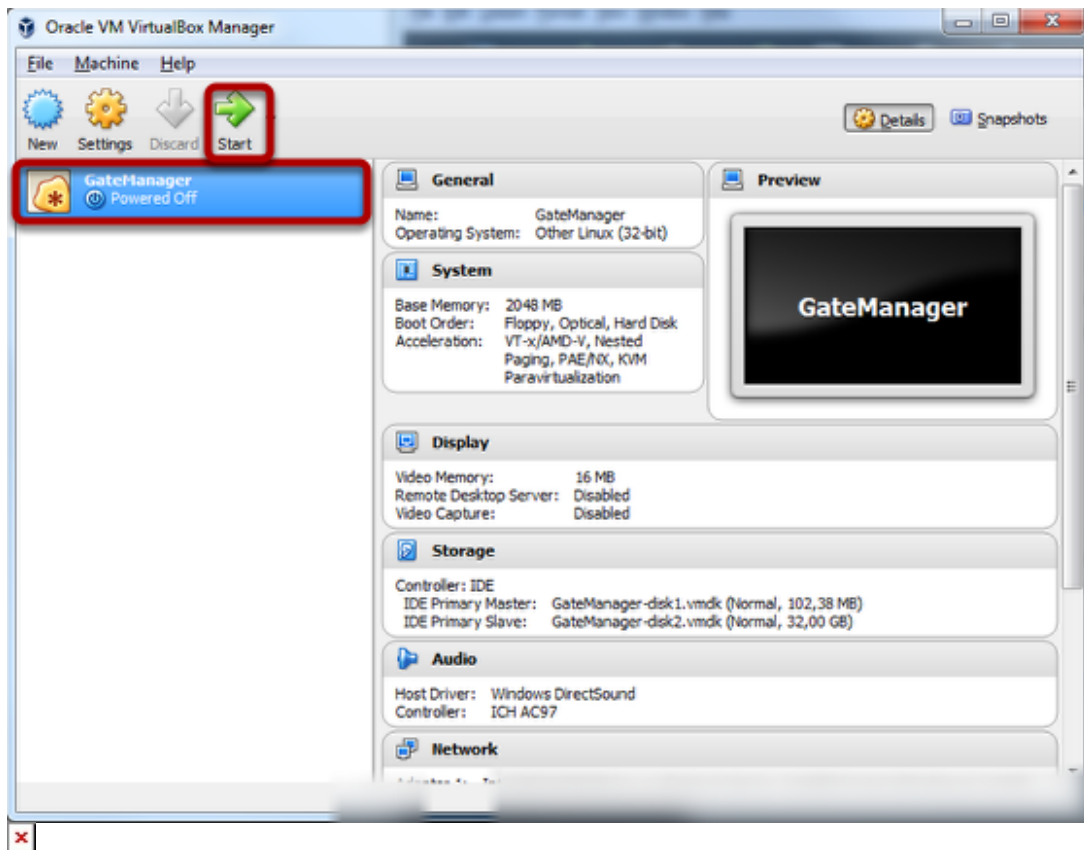






The appliance settings summary shows up  
1. No changes needed, click button "**Import**"

Start and Initialize VM



Select VM GateManager and click start

Activate Console

```
GateManager [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Write protecting the kernel read-only data: 452k
e2fsck 1.41.12 (17-May-2010)
/dev/fla1: clean, 400/8388608 files, 571799/8387930 blocks
kjournald starting. Commit interval 5 seconds
EXT3-fs (sdb1): using internal journal
EXT3-fs (sdb1): mounted filesystem with ordered data mode
e2fsck 1.41.12 (17-May-2010)
/dev/boot: clean, 14/9984 files, 334/9969 blocks

Please press Enter to activate this console. e1000: eth0 NIC Link is Up 1000 Mb
: Full Duplex, Flow Control: RX
random: tgdrandom read with 21 bits of entropy available
random: nonblocking pool is initialized

>
The following commands are available:

config      Setup default configuration
recover     Install recover admin account
factoryreset Reset the configuration to factory default
reboot      Reboot the appliance
status      Show system status
ping        Ping a target

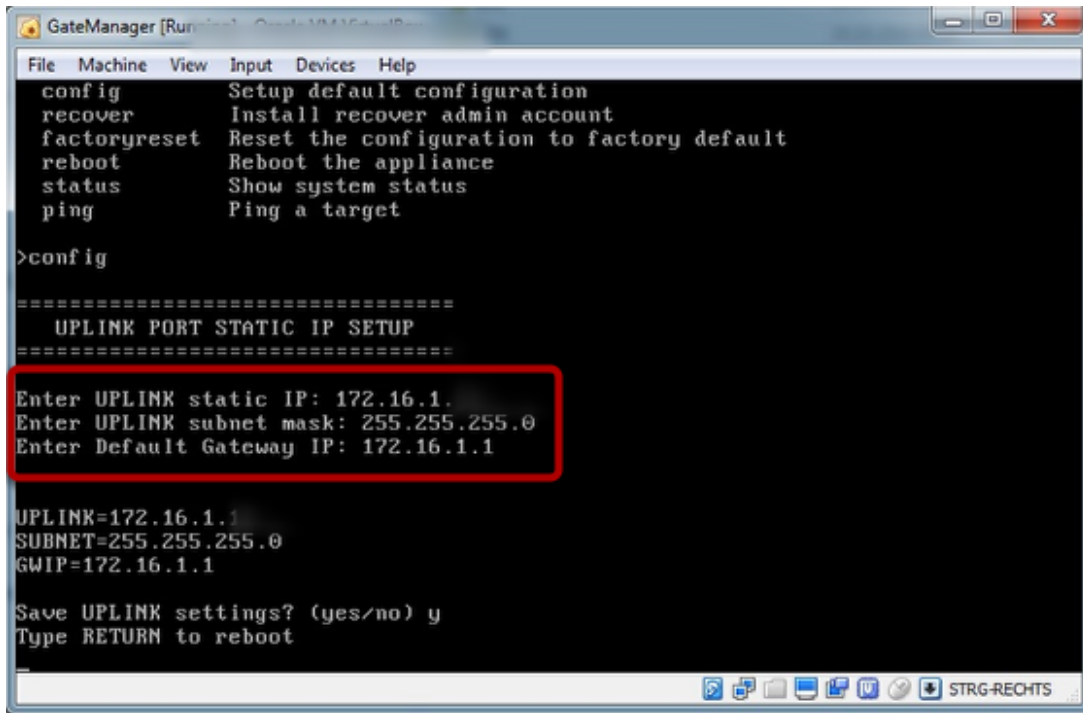
>
```

Press the return key to activate the console.

Note: Typos can't be corrected! The console uses english layout and numlock is disabled per default.

To release the cursor press the right control key.

Configure IP Settings



Type "config" to enter the IP parameters

Confirm settings with "y"

Reboot the VM

(Optional) Preparation: Firewall Settings

|    |                  |                                     |     |     |                  |                |     |        |         |
|----|------------------|-------------------------------------|-----|-----|------------------|----------------|-----|--------|---------|
| 22 | Gatemanager RDP  | <input checked="" type="checkbox"/> | any | any | 172.16.17.151/32 | = 3389         | tcp | accept | disable |
| 23 | Gatemanager JVNC | <input checked="" type="checkbox"/> | any | any | 172.16.17.151/32 | = 5800         | tcp | accept | disable |
| 24 | Gatemanager VNC  | <input checked="" type="checkbox"/> | any | any | 172.16.17.151/32 | = 5900         | tcp | accept | disable |
| 25 | Default Uplink   | <input checked="" type="checkbox"/> | any | any | 172.16.17.151/32 | = 11444        | tcp | accept | disable |
| 26 | GoToAppliance    | <input checked="" type="checkbox"/> | any | any | 172.16.17.151/32 | 55000 >= 59999 | tcp | accept | disable |



Configure the firewall to allow the following ports:

3389: Remotedesktop

5800: JVNC

5900: VNC

11444: Default Uplink (to License Portal)

55000 to 59999: Ports for appliances (e.g. Gecko, Windows Client)