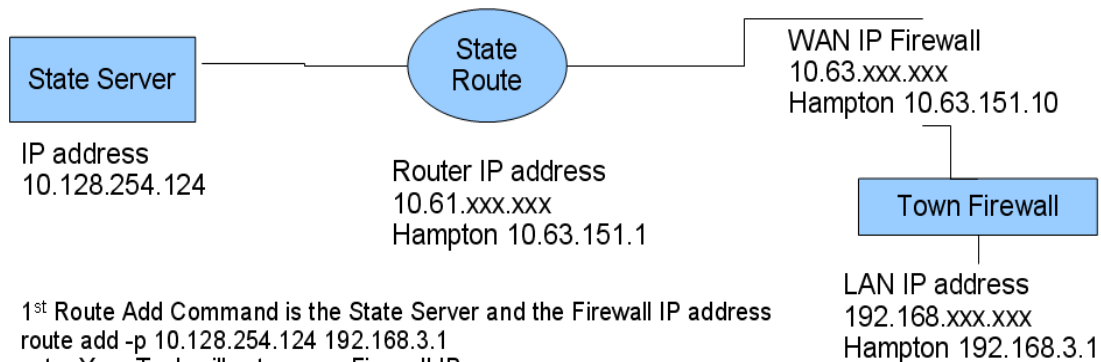


## Configuring ClerkWorks XML Client Machines



1<sup>st</sup> Route Add Command is the State Server and the Firewall IP address  
`route add -p 10.128.254.124 192.168.3.1`  
 note: Your Tech will setup your Firewall IP  
 Example Town of Hampton's add route line is:  
`route add -p 10.128.254.124 192.168.3.1`

2<sup>nd</sup> Route add Command is the Router WAN IP address and the Firewall address  
`route add -p 10.61.xxx.xxx 192.168.3.1`  
 Example Town of Hampton's add route line is:  
`route add -p 10.61.151.1 192.168.3.1`

3<sup>rd</sup> Route Add Command is the WAN IP of the Firewall and the LAN IP Firewall  
`route add -p 10.63.xxx.xxx 192.168.3.1`  
 Example Town of Hampton's add route line is:  
`route add -p 10.61.151.10 192.168.3.1`

This document describes the process of configuring a second network that allows a client workstation to access their internal LAN as well as connect to the MAAP server. This configuration has been successfully utilized at several municipalities to this point, but much will depend on the individual configuration at each client site.

In the following example we will have two client computers that will need to run the XML program. If your network has a file server that houses the Clerkworks data, it is not necessary for that machine to be connected to the MAAP network. Only Client machines that run the XML program need to be connected to second network.

The state provides a Cisco router at the municipality site that is connected to the MAAP network. They provide a static IP address that is assigned to the Ethernet port on that router. So the configuration on the firewall that is connected to this router will use the provided static IP address as its Gateway. Let us say that the state provided you with IP of 10.63.91.1 for the Ethernet port on the Cisco router. Then the Wan IP address of the firewall would be 10.63.91.10, the Gateway would be 10.63.91.1, and if your firewall requires that you enter a DNS IP then use 10.63.91.1. The MAAP system does not use DNS for resolution, but many firewalls require that you enter a valid IP address. Please remember that all IP addresses in this document are for example purpose only. Each municipality will have a unique IP address assigned to the provided state router.

If your Town LAN network is 192.168.0.X, then the MAAP network could be 192.168.1.X. The LAN IP address of the MAAP firewall should be 192.168.1.1 in this example. Each client workstation will have an IP in the 192.168.1.X network assigned to the second NIC that is installed in each workstation using XML. The configuration of second NIC in client computers for this example would be as follows:

WS1

IP 192.168.1.2

Netmask 255.255.255.0

GW 192.168.1.1

WS2

IP 192.168.1.3

Netmask 255.255.255.0

GW 192.168.1.1

Go to the advanced TCP/IP properties and set the metric to 50 on the MAAP interfaces that we just configured.

From the cmd window, add persistent static routes as follows:

```
route add -p 10.128.254.124 192.168.1.1
```

```
route add -p 10.63.91.10 192.168.1.1
```

```
route add -p 10.63.91.1 192.168.1.1
```

This will enable you to ping from the client workstation the gateway or firewall address of 192.168.1.1, the WAN IP assigned to the firewall of 10.63.91.10, and the Ethernet port of the state router 10.63.91.1. The 10.128.254.124 address is the MAAP server interface address and will not return a ping.

As a second example, we could take the same hardware, and configure the firewall to have 10.63.91.1 as its gateway, 10.63.91.10 as WAN IP address, and 10.63.91.20 as its LAN or Ethernet IP address. Then assign the client workstation TCP/IP information as follows:

WS1

IP 10.63.91.30

Netmask 255.255.255.0

GW 10.63.91.20

WS2

IP 10.63.91.40

Netmask 255.255.255.0

GW 10.63.91.20

This may allow routing from the client machines to the MAAP network without needing the persistent routes. If the client workstations are not able to route traffic from the Clerkworks XML program to the MAAP server, indicated by error messages when attempting login, then add the persistent route by typing: `route add -p 10.128.254.124 10.63.91.10`.

In either of these cases the network is configured properly if you can ping the firewall LAN IP on the MAAP network, also known as the gateway address for the second NIC installed and connected to the MAAP network hardware, and then ping the WAN IP address of the firewall, then ping the Ethernet address of the state router. If all of these pings return a good reply with no lost packets, then check that the correct entry has been made in the host file of each client machine that is attempting to run the XML program.

## ClerkWorks XML Testing

From the Internet Browser one of the first tests is to be able to come up with a log in screen with this address:

<https://maap.safety.state.nh.us:52371/DisplayLogin.do>

If you get to this site and see the log in ask the Clerk (Municipal Agent) to use the State DMV provided user name, password and Town Code to log in.

Next, Launch CWXML.exe If Interware has set up a test database then in C:Windows the Ads.ini file will point to a MAAPData Directory (look for a Tender.adt file to confirm the correct data is being accessed).

### CERTIFICATE ISSUES: GETTING CONNECTED

-----

1. Locate a file on the users computer called HOSTS (no extension). It is usually located in the C:\WINDOWS\system32\drivers\etc folder. Add the following address to the bottom.

10.128.254.124      maap.safety.state.nh.us

Note: make sure you use lower case

2. Edit the maap.ini file and make sure the following line exists in the MAAP section

MAAPURL=https://maap.safety.state.nh.us:52371/vendorRequest?requestname=

Note: Keep everything lowercase

3. Make a Browser connection to MAAP. Using the following address:

<https://10.128.254.124:52371>

A. You will get a pop-up warning that the certificate is faulty. There will be three buttons, choose View Certificate

B. At the next screen - choose Install Certificate

C. A wizard will appear choose Next

D. At Certificate Store choose Place all certificates in the following store.

E. Choose the Browse button

F. On the next dialog check Show Physical Store

G. Move to the top of the new list and expand the Personal folder

H. Select Registry

I. Click OK - choose next.

J. Choose Finish.

4. If you're in ClerkWorks XML you must exit and re-launch application

5. Now try and log into MAAP. If you get an error like the Application Timed Out or Host Mismatch then repeat these steps.

### **Validation Printers**

Here are the specifications for the printers and some links to research/order them from directly. Let me know if you have any problems... They are really easy to set up, no drivers are needed. Set up is necessary in ClerkWorks XML done during Software Installation.

**PRINTER: TM-U325D-031 1-Station Receipt Validation Printer with Serial Interface and Power Supply (C213031) By : Epson America**

**CABLE: DB9 Male / DB 25 Male Serial Printer Cable (Null) - can be purchased at any Staples, Comp usa, etc OR with printer – Choose 6 foot or 10 foot depending on where you are going to put the printer in relation with the back of your computer (CPU).**

<http://www.cdw.com/shop/products/specs.aspx?EDC=142547&printable=1>

<http://www.posworld.com/eptmu3serdot.html>

<http://www.pcconnection.com/ProductDetail?sku=392669&SourceID=k31366>