

## QNE Optimum Wide Area Network Connection, Port Forwarding and dyndns configuration

*Below are the configuration you are require to configure before you can connect QNE Optimum via Internet.*

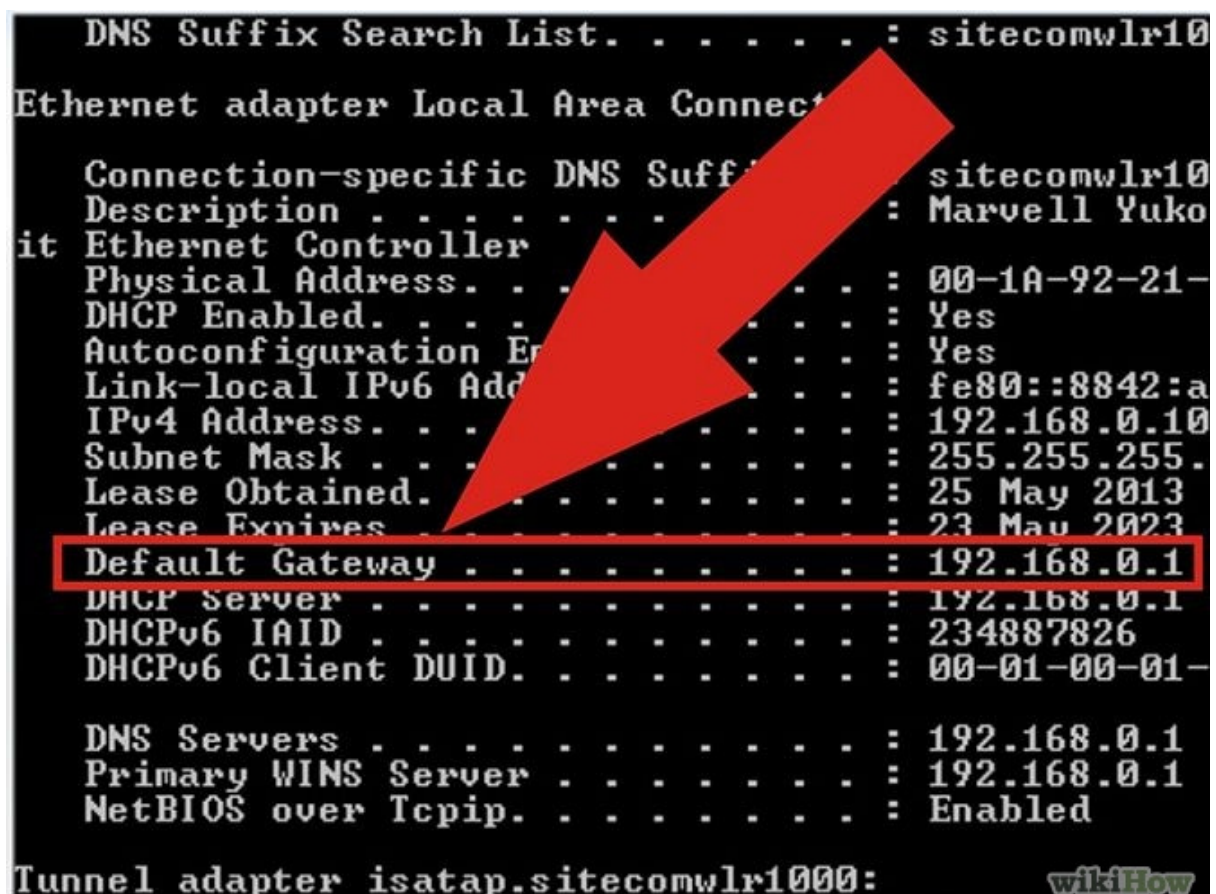
Port forwarding opens certain ports on your company network, which usually blocked from the internet access to your router. Opening the below ports allows the users from the internet to access your QNE data that storing in Microsoft SQL. Follow this guide to forward the ports.

# 1

**Enter your router's IP address into the address bar of a web browser.** This will open your router's configuration page. For most routers, this will be 192.168.0.1, 192.168.1.1, or 192.168.2.1. However, if you want to figure out the IP, here's how to do it:<sup>[1]</sup>

- Open the **command prompt** and enter **ipconfig /all**. The router's IP address is usually the same as the Default Gateway.

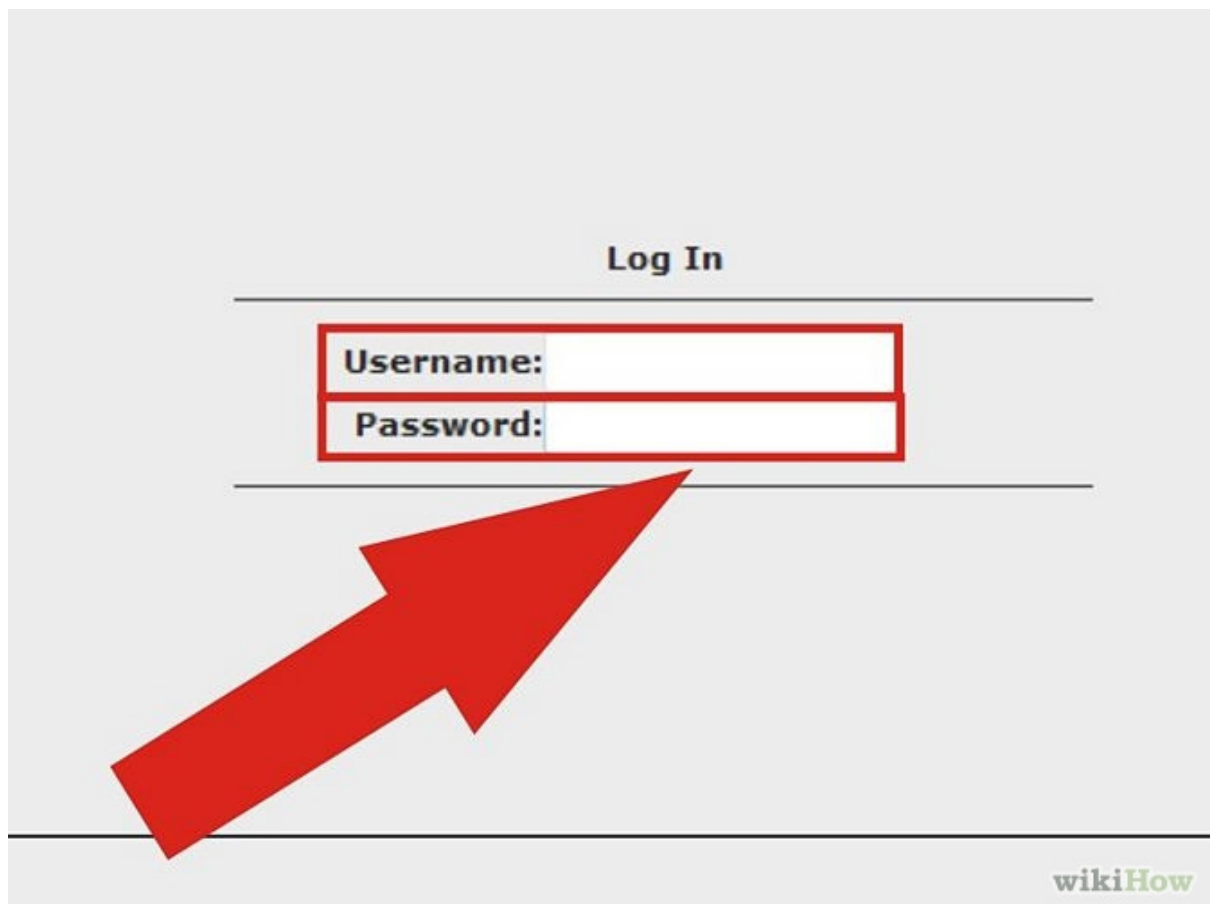
```
DNS Suffix Search List. . . . . : sitecomwlr10
Ethernet adapter Local Area Connecti
    Connection-specific DNS Suffix  : sitecomwlr10
    Description . . . . . : Marvell Yuko
    Ethernet Controller . . . . . :
    Physical Address. . . . . : 00-1A-92-21-
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::8842:a
    IPv4 Address. . . . . : 192.168.0.10
    Subnet Mask . . . . . : 255.255.255.
    Lease Obtained. . . . . : 25 May 2013
    Lease Expires . . . . . : 23 May 2023
    Default Gateway . . . . . : 192.168.0.1
    DHCP Server . . . . . : 192.168.0.1
    DHCPv6 IAID . . . . . : 234887826
    DHCPv6 Client DUID. . . . . : 00-01-00-01-
    DNS Servers . . . . . : 192.168.0.1
    Primary WINS Server . . . . . : 192.168.0.1
    NetBIOS over Tcpip. . . . . : Enabled
Tunnel adapter isatap.sitecomwlr1000:
```



## 2

**Enter your username and password.** If you've already configured the security settings for your router, enter the username and password you chose then. If not, here are some of the most common default logins:<sup>[2]</sup>

- On Linksys routers, type "admin" for both the username and the password.
- On Netgear routers, type "admin" for the username and "password" for the password.
- On other routers, try leaving the username empty and entering "admin" for the password.
- You can visit sites such as RouterPasswords.com and enter in your router's model to find the default password.
- If you've forgotten your login information, you can press the reset button on your router to reset it to factory defaults. You can then look up the factory default settings online.



Log In

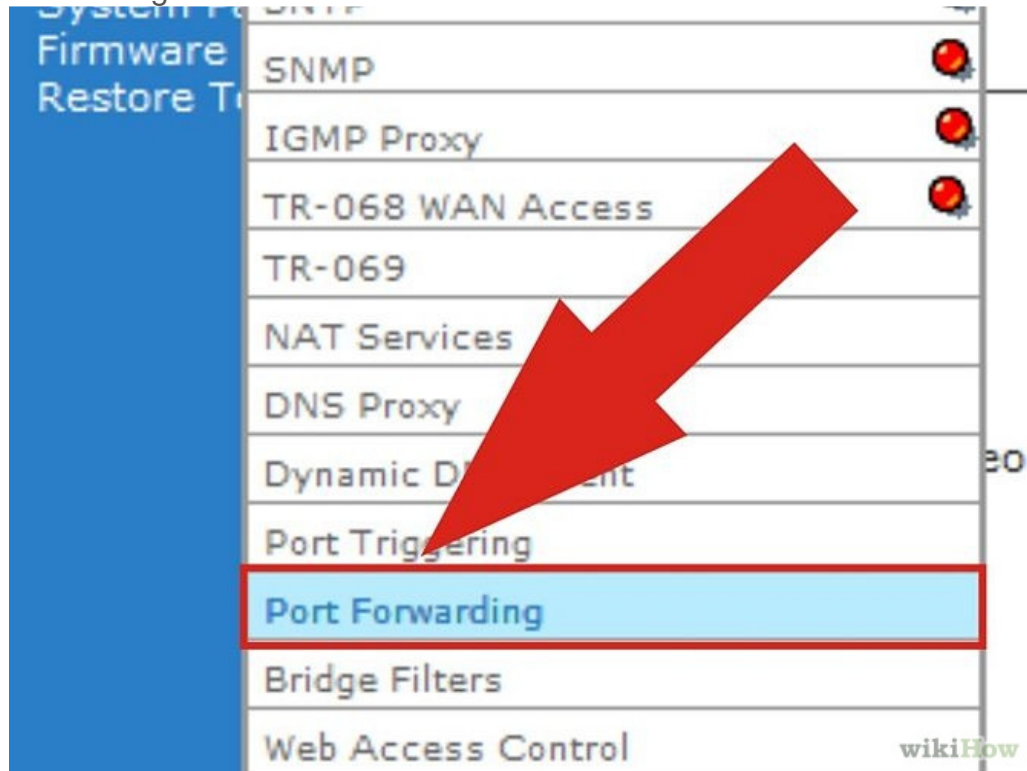
Username:

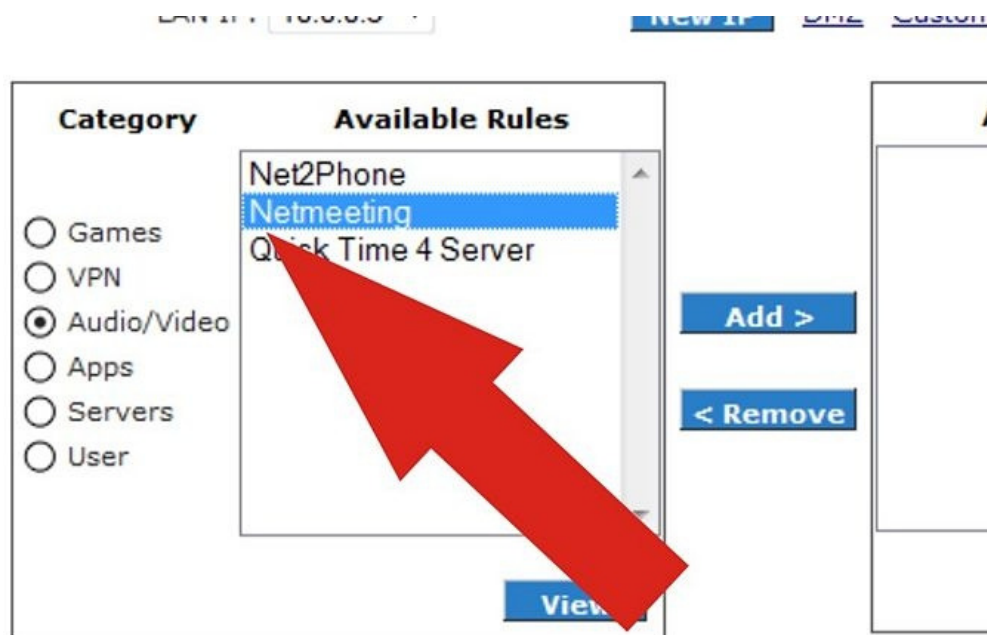
Password:

wikiHow

### 3 Find the Port Forwarding section. Each router will be slightly different.

Common labels are Port Forwarding, NAT, Applications, Virtual Servers. If you don't see one of these or something similar, try Advanced Settings and look for a Port Forwarding subsection.





wikiHow

## 4

**Create a custom entry.** Since the port of MS SQL and QSS are not a common ports , you will need to create a custom port forwarding entry. Each router will have a slightly different way of doing this, although the required information is the same for any router:

Choose the service type TCP/UPD. And enter the below port number to the IP address of Server which installed Microsoft SQL and QSS.

- *MS SQL (1433)*
- *QnE QSS (25811)*

TP-LINK®

Status

Quick Setup

Network

Dual Band Selection

Wireless 2.4GHz

Wireless 5GHz

DHCP

USB Settings

NAT

Forwarding

- Virtual Servers

- Port Triggering

- DMZ

- UPnP

Security

Parental Control

Access Control

Advanced Routing

Bandwidth Control

IP & MAC Binding

Dynamic DNS

System Tools

Virtual Servers

Note: Make sure the nat is **enable** if you want the Virtual Servers configuration take effect

| ID | Service Port | Internal Port | IP Address    | Protocol | Status  | Modify  |
|----|--------------|---------------|---------------|----------|---------|---|
| 1  | 1433         | 1433          | 192.168.0.108 | ALL      | Enabled | <a href="#">Modify</a> <a href="#">Delete</a> |
| 2  | 3389         | 3389          | 192.168.0.108 | TCP      | Enabled | <a href="#">Modify</a> <a href="#">Delete</a> |
| 3  | 25811        | 25811         | 192.168.0.108 | ALL      | Enabled | <a href="#">Modify</a> <a href="#">Delete</a> |

Add New...

Enable All

Disable All

Delete All

Previous

Next

## 5

Setup dyndns if your internet subscribtion is running dynamic IP instead of Fixed IP. Please get advise from the Internet Service Provider what package they provided. E.g. Unify from Telekom and Maxis Fibre.

1. Look for a page name "DDNS"
2. Select a service provider e.g. [www.dyndns.com](http://www.dyndns.com)
3. Host name: your\_company\_name.dyndns.org
4. Dyndns.com require you to register and create account, if you do not have an account, please create one.
5. Enter user name and password

6. Wilcard Support: pelase choose No

**TP-LINK®** 300Mbps Wireless N ADSL2+ Modem Router

**Access Management** | Quick Start | Interface Setup | Advanced Setup | **Access Management** | Maintenance | Status | Help

ACL | Filter | SNMP | UPnP | **DDNS** | CWMP

**Dynamic DNS**

Dynamic DNS : ☒ Activated ☐ Deactivated

Service Provider :

My Host Name :

E-mail Address :

Username :

Password :

Wildcard support : ☐ Yes ☒ No

**SAVE**

## 6 Configuration in QNE Optimum

### 1. Click Append in Database Wizard

Database Wizard

Select a Database to Open

| Company Name                              | Database                     | Database Version |
|---|------------------------------|------------------|
| OneStop Software Solutions (M) Sdn. Bhd.  | OneStop_Internal_Live        | 2014.5.0.0       |
| CustomizeInquiry1_20140712                | CustomizeInquiry1_20140712   | 13.2.8.9         |
| Inquiry_Setting_Ver1_20140714(20140714... | Inquiry_Setting_Ver1_2014... | 13.2.8.9         |
| OneStop WAN                               | OneStop_Internal_Live        | 2014.5.0.0       |
| Sample Company20140921                    | SampleDB20140921             | 2014.5.1.0       |
| Sample Company20140921B                   | SampleDB20140921B            | 2014.5.2.1       |
| Sample Company IDX                        | SampleDB_IDX                 | 2014.4.0.1       |
| Sample Company_TestXML                    | SampleDB_TestXML             | 2014.5.2.1       |
| SampleDB_TestXML_2(201409261618)          | SampleDB_TestXML_2           | 2014.5.2.1       |
| SampleDB201409                            | SampleDB201409               | 2014.5.4.0       |
| Sample Company_GST_Expo                   | SampleDB_GST_Expo            | 2014.5.4.0       |
| GSTExpo3                                  | GST Expo 3                   | 2014.5.5.3       |

QSS Connection Details

QSS Server Name:  IP Port:

Buttons: Create, **Append**, Modify, Delete, Open, Close

### 2. Fill up all the required fields:

- Your Company name
- Server Name: e.g. your\_company\_name.dyndns.org
- Select SQL Server Authentiation and enter the User ID and Password
- Click the button "Test Connection"
- Database: Select the database
- Save

Company Settings

Company Name

Server Name

Authentication

☒ System Authentication
 ☐ Windows Authentication
 ☐ SQL Server Authentication

User ID  Password

Database

Connection String

### QNE Optimum Login Screen



The login screen features a blue gradient background with silhouettes of three people in business attire. In the top right corner is the QNE Software logo, which consists of a yellow square icon with concentric lines and the text 'QNE SOFTWARE' below it. The main title 'QnE Optimum' is displayed in a large, white, sans-serif font, with 'QnE Business Solutions Version' in a smaller font underneath. Below the title, the application name 'Gnommory (Remote)' is shown with a house icon, followed by two lines of text: '[gnommory-pq.dyndns.org::GNOMMORY]' and '[gnommory-pg.dyndns.org:25811]'. At the bottom left, there is an 'Account Date:' field with a dropdown menu showing '04/06/2014' and a checkbox labeled 'Always save account date for next login'. The bottom center contains logos for 'CMMI', 'MSC' (with 'SERVIS KONTAK' and 'Status Company' below it), and 'Microsoft GOLD CERTIFIED Partner'. On the right side, there is a small cartoon character of a yellow bird-like creature wearing a blue cap. Below the character are 'Username' and 'Password' labels, each followed by a text input field. The username field contains the text 'admin'. At the bottom right, there are five small icons: a Wi-Fi signal, a power button, a home button, and two circular arrows.

QnE Optimum

QnE Business Solutions Version

**Gnommory (Remote)**

[gnommory-pq.dyndns.org::GNOMMORY]

[gnommory-pg.dyndns.org:25811]

Account Date: 04/06/2014

☐ Always save account date for next login

CMMI MSC SERVIS KONTAK Status Company

Microsoft GOLD CERTIFIED Partner

Username: admin

Password: