Sierra System Administration

**Encore – Configuring Your Firewall**

The following is a summary of ports used by Encore. For a complete listing of ports used by other Innovative products, see the [Sierra Access through Local Firewalls](https://myproquest.sharepoint.com/:w:/s/ITLC-Public/EeziRq__nNZApgFs12VUzpYBi_LJYbX0iV0hBGGxtYazTQ?e=OIrLJe). Ports must be open to both inbound and outbound traffic unless otherwise indicated. Required port configuration can include:

* Encore Main Ethernet Connection
* Encore Network Console
* Between Encore and Millennium Servers
* Between Encore and Sierra Application Servers
* Between Encore and Sierra Database Servers
* Encore Synergy Portfolios (30+ sources)
* Encore Main Ethernet Connection

## Encore Main Ethernet Connection

### Ensure that the following ports are open to the following Innovative IP addresses:

|  |  |
| --- | --- |
| **PORTS** | **IP ADDRESSES** |
| 22  210 (outbound)  1032  52084  58880  58980  60000 (Millennium)  60200 (Millennium)  63000 (Sierra)  63100 (Sierra) | 205.227.88.253  205.227.90.15  8.4.224.250 |

### Ensure the following ports are open to the world:

|  |
| --- |
| **PORTS** |
| 25¹ (outbound)  80  443  61080-61087 |

**Note:** ¹ you can use a relay server, if preferred.

## Encore Network Console

**Ensure the following ports are open to the Innovative IP:¹**

|  |  |
| --- | --- |
| **PORTS** | **IP ADDRESSES** |
| 22  443 | 205.227.88.253 |

**Note:** ¹ Applies only to Turnkey Encore servers provided by III.

**Between Encore and Sierra Application Servers**

### If there is a firewall between the Sierra application server and Encore, please make sure the servers can communicate on the following ports:

|  |  |  |
| --- | --- | --- |
| 22  80  443 | 1031  1032  4550  4605  5000 | 52085  54605  60000 |

## Between Encore and Sierra Database Servers

### If there is a firewall between the Sierra database server and Encore, please make sure the servers can communicate on the following ports:

|  |  |  |
| --- | --- | --- |
| 22  80  443 | 1032 | 62800  62900  63000  63100 |

## Encore Synergy Portfolios (30+ sources)

|  |  |
| --- | --- |
| **PORTS** | **IP ADDRESSES** |
| 54605 (Millennium or Sierra server) | Innovative IP range of 205.227.90.0 - 205.227.90.255¹ |
| 9797 | Open to the world on Millennium/Sierra and Encore servers |
| 8000 | Open to the world |
| 80062 | Outbound access |

¹ The library must open access to this range initially to start the implementation process; however, a specific IP address is assigned during the installation, and the library can then lock down access to allow only that IP.

² In Encore 4.2 and later releases, libraries using Encore Synergy Portfolios must allow outbound access on port 8006.

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