

# Network requirements for Medulla SaaS

Medulla / All Versions / SaaS / Infrastructure

## 1. Are there any technical prerequisites for using Medulla in SaaS mode?

For the **shared SaaS** offering, no hardware or software prerequisites are required.

The only requirement is to allow **two outbound network connections** from your workstations to the Medulla platform.

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## 2. Which ports must be open on the Internet?

### Shared SaaS

Only two ports need to be allowed **Workstations → Medulla Server**:

- **TCP 2002**: primary communication between the Medulla agent and the server
- **TCP 5222**: XMPP channel used to orchestrate actions and establish secure tunnels

No other ports should be open on the Internet.

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## 3. Why only two ports?

Because:

- All operations requiring additional ports (VNC, RDP, WinRM, inventory, package deployments) **automatically** pass **through an OpenSSH tunnel** established between the Medulla server and the agent on the workstation.
- This tunnel is initiated and managed by the XMPP service.

You therefore **do not** need to expose sensitive ports to the Internet.

## 4. Which ports are required for the dedicated SaaS offering?

In addition to the ports required for the shared SaaS offering:

- **TCP 55415**: used for backup functions

All other ports continue to pass through the **OpenSSH tunnel** and do not need to be opened.

## 5. Why are certain ports (UDP 67, 69, 111, 2049) no longer listed in SaaS mode?

Because they are **not used** in SaaS mode:

- No PXE or DHCP over the Internet → **UDP 67 / 69 are unnecessary**
- No NFS exposed → **111 / 2049 unnecessary**
- No low-level services are exposed in the Medulla cloud

## 6. Do I need to open incoming ports on my firewall?

No.

**No incoming traffic** is required in Medulla SaaS mode.

Your firewall simply needs to **allow the** following **outbound traffic** for the agents to communicate:

- **TCP 2002**
- **TCP 5222**  
(+ **TCP 55415** if dedicated SaaS)

## 7. Quick Summary

Offer	Required Data Flows Workstations → Server	Notes
Shared SaaS	TCP 2002, TCP 5222	All other ports go through the OpenSSH tunnel
Dedicated SaaS	TCP 2002, TCP 5222, TCP 55415	Optional backup enabled

<b>Offer</b>	<b>Required Data Flows Workstations → Server</b>	<b>Notes</b>
<b>Incoming traffic</b>	None	Everything is initiated by the workstation

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