

How to Use the Unified Gateway

This document provides an overview of the BioStar 2 Unified Gateway and offers guidance on its usage.

Unified Gateway

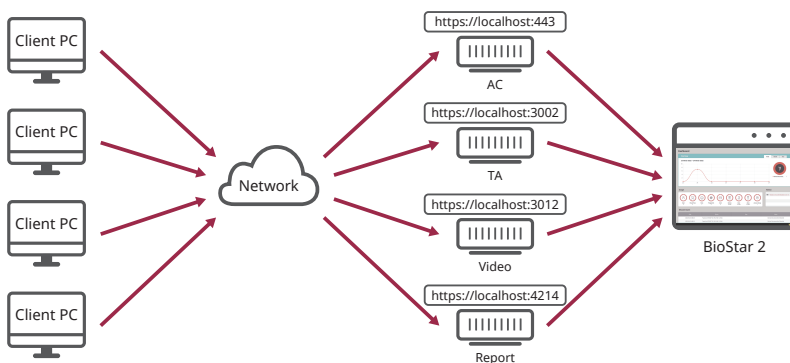
BioStar 2 has a structure where AC and TA web pages with different structures access one server, and by setting up a **Unified Gateway**, you can change the execution port of BioStar 2 to one Unified Gateway.

Unified Gateway allows efficient processing of requests to the BioStar 2 server through a reverse proxy method, improves security vulnerabilities in iframes, and minimizes SSL certificate errors.

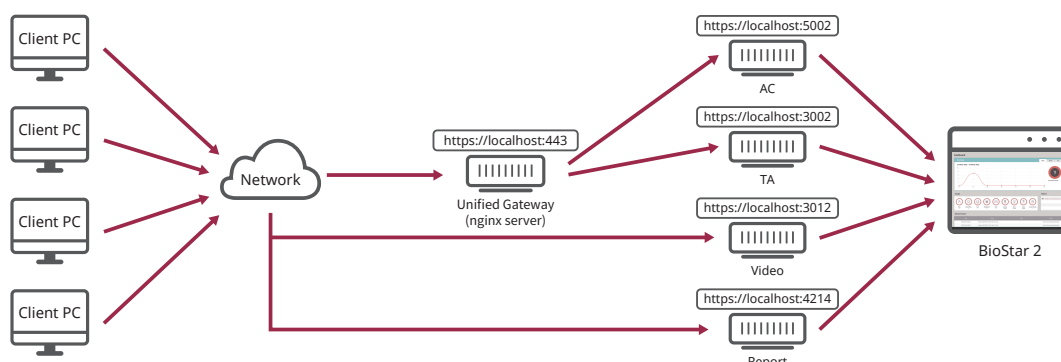


- **Unified Gateway** is available from BioStar 2 v2.9.3.
- When installing or upgrading BioStar 2, the **Unified Gateway** is **Inactive**, and the default port values are as follows:
 - **Unified Gateway HTTPS Port:** 5002
 - **Unified Gateway HTTP Port:** 5000
- When applying an SSL certificate in an environment using **Unified Gateway**, restart **Unified Gateway**.
- **Unified Gateway** is not available in environments using **BioStar 2 Cloud**.

BioStar 2 Structure (Basic)



BioStar 2 Structure (Unified Gateway)



Setting up a Unified Gateway in the BioStar Setting

- 1 Run **Start** → **BioStar 2** → **BioStar Setting**.
- 2 Click the **Start** button in the **Unified Gateway** section. **Unified Gateway** becomes active.



- Activating **Unified Gateway** will restart the server.
- If the port is in use, a pop-up message will appear. Enter a different port number and activate it again.

The screenshot shows the BioStar Setting window with the following sections:

- Service Status:** A list of services with their status and a Stop button. CORE, BS2, T&A, and Report are Running. VIDEO is Running but has a message: "The Video License is not activated."
- Web Server Configuration:** HTTPS Port is set to 443.
- Unified Gateway:** Port is 5002, status is Stopped, and the Start button is highlighted with a red box.
- Database Server Configuration:** DB Type is Maria DB, Host is 127.0.0.1, Port is 3312. It includes fields for Database Name, Database User, and Database Password for AC, TA, and Video, along with Test Connection and Save buttons.

- 3 If the HTTPS connection, the **HTTPS Port** field changes to 5002, and the **Unified Gateway's Port** field changes to 443.

To change the port, click **Stop** to stop **Unified Gateway**, and then change it.

The screenshot shows the BioStar Setting window with the following sections:

- Web Server Configuration:** HTTPS Port is now 5002.
- Unified Gateway:** Port is 443, status is Running, and the Stop button is highlighted with a red box.

Setting up a Unified Gateway in BioStar 2

- 1 Access to BioStar 2.
- 2 Click **Settings** → **Security**.
- 3 Activate the **Unified Gateway** in the **Unified Gateway Setting**.



- When you activate **Unified Gateway**, the server restarts and is automatically directed to the login page.
- If the port is in use, a pop-up message will appear. Enter a different port number and activate it again.