Use this screen to register the IP addresses of your SIP2 clients for communication with the server. To access this screen, sign in Service Configuration, open the WMS Circulation left navigation, select Integrations, and then select the SIP2 IP Addresses link.

Use this screen to register the IP addresses of your SIP2 clients for communication with the server.

- To create a new policy, you must first configure your SIP client’s settings on the SIP2 Configuration screen.
- The IP addresses that you enter on this screen must be static, routable, and have access to the Internet.

You need to contact OCLC Support if:

- You are setting up SIP2 for WMS for the first time
- You are establishing a SIP2 connection via the open internet (through an unencrypted (http) protocol)

**Add a new IP address**

1. Click Create New to add a new IP address.
2. Fill in the fields in the order below:
   1. **IP Address**: The IP address that is granted access to the SIP2 service.
      - The IP address must be static, routable, and have access to the Internet.
      - This value cannot be changed once it has been entered.
      - To change an IP address, you need to delete the row and enter the new value into a new row.
      - You can use the same IP address for multiple branches or institutions, but you also need to enter a Login ID and Password. If you do not enter a Login ID and Password, then you cannot use the IP address more than once.
   2. **Username**: The username that is connected to the IP address.
      - The Login Id is used to let a connection switch between an institution or branch from the same IP address by issuing a Login Message (93).
      - If you do not enter a Login Id, then the IP address can only be used in one institution or branch; you only need to enter a Login ID if you are using the IP address for more than one institution or branch.
   3. **Password**: The password that is connected to the Login Id. If the username changes, the password will be reset and needs to be re-entered.
   4. **Description**: Optional text field to add a description of the IP address.
   5. **Branch**: Indicates to which branch the policy applies.
   6. **Vendor**: The vendor of your SIP2 client.
      - Bibliotheca and Envisionware are supported vendors and can be selected from the list.
      - If your SIP2 client is not from a supported vendor, select default.
7. **Character Encoding:** Select the character encoding to use when displaying characters on SIP2 enabled devices. Reset your device's connection to WMS for configuration changes to take effect. The SIP2 Client must send a valid Login message to WMS and may require that you reboot the client to start a new session.

   1. **IBM850** (Default): Character encoding required by the SIP2 standard. Supports most characters used by western European languages.
   2. **UTF-8:** Enhanced encoding that supports all Unicode characters.
      - Contact your vendor(s) for assistance configuring your machine if UTF-8 is supported. Additional character sets may need to be enabled for your SIP2 client.

8. **Resolution Level:** The level at which Patron and Item data is resolved when using the SIP2 Client. Options include:

   1. **Local Institution Only** (default)
      - Allows only patrons and items associated with the SIP2 client's institution to be recognized. All other transactions will fail with an appropriate screen message. See [SIP2 Custom Messages](#) for message configuration information.

   - **Whole Group**
      - Select this option to enable group functionality for your applications using SIP2 to communicate with WMS.
        - Patrons of any member of your group can access and use your SIP2-enabled services
        - Items owned by any member of your group can be viewed, checked out, and checked in
        - Patrons can checkout temporary items created via interlibrary loan (ILL) integration

9. **Activated:** If Activated is not selected, the IP address will not be able to connect to the SIP2 Server. To temporarily disable an IP address, deselect the check box.

   3. Click **Save**.