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## Setup and Configuration of XService?

- **Article Type:** Q&A
  - **Product:** Voyager
  - **Product Version:** 8.1.2
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### Question

How to configure XService (vxws) to allow discovery layer to make API calls

### Answer

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#### Note

If using Tomcat WebVoyage, XService (vxws) is already configured & running.

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1. `/m1/voyager/xxxdb/tomcat/conf/server.xml`
  1. Check `RemoteAddrValve`
  2. If restricted to localhost, add any other IPs that will be communicating with XService
2. If not already running Tomcat service for WebVoyage, see "[How to configure Apache - add Tomcat and/or remove Classic](#)" to configure Apache to run Tomcat service.
3. Ensure local firewall(s) will allow connections to XService port (XX14) from requesting IPs.
4. Ensure correct IPs and ports configured in System Administration > Search > Database Definitions > LOCAL for vxws, OPAC and Circ.
5. When configuration complete, test vxws by making a simple API call from browser: `http://<IP>:<vxws port>/vxws/record/<bib_id>`
  - IP = address of your Voyager server
  - vxws port = port vxws runs on (typically XX14 - if xxxdb port series is 7000, then 7014)
  - bib\_id = a bibliographic record ID for a bib record in xxxdb

### Additional Information

See "[WebVoyage: How to limit external access to the vxws web services](#)"

See also [Developers Network > Voyager > APIs](#) for more information on APIs

Please note that Voyager Support has a *very limited ability* to assist with the Voyager APIs. We can help identify the APIs that might be useful to you, and provide basic troubleshooting aid. [Voyager-L](#) and [Developer Network](#) are useful resources for obtaining additional assistance.

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