
Making X-server more secure

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 21
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Desired Outcome Goal:

Put high level of security on Aleph X-server to prevent unauthorized access to sensitive information

Procedure:

There are two level of security that either can be used separately or used combined.

1) Use \$alephe_tab/server_ip_allowed to allow the access to X-server to certain IPs or IP ranges only.

```
!-!-!!!!!!!!!!!!!!>  
X A 10.1.235.*  
X A 10.1.232.115
```

After change of server_ip_allowed WWW server should be restarted

2) In Staff permission function in GUI you should limit the number of X-Server functions allowed to the WWW-X user to a subset of functions that don't involve sensitive data.

If no user name and password are given when activating the x-service, the default for both is: WWW-X.

You then can define additional staff users that have permission to use all relevant X-services.

Please see section 'X-Service Permissions' in page Introduction to Aleph X-Services (<https://developers.exlibrisgroup.com/aleph/apis/Aleph-X-Services/introduction-to-aleph-x-services>) for information how to use user-name and password when calling up X-services.

- **Article last edited:** 5/23/2014