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# Enhanced Security Settings

In the BioStar 2.7.11, Suprema improved features which are related with security. Improved features are following in below.

1. Added logic to check file extensions to limit malicious file uploads.
2. Improved to select whether to allow simultaneous access using the same account.
3. Limited to connect only when the IP information of the account and the IP information of the accessing PC match when logging in by adding an IP address item to the user information

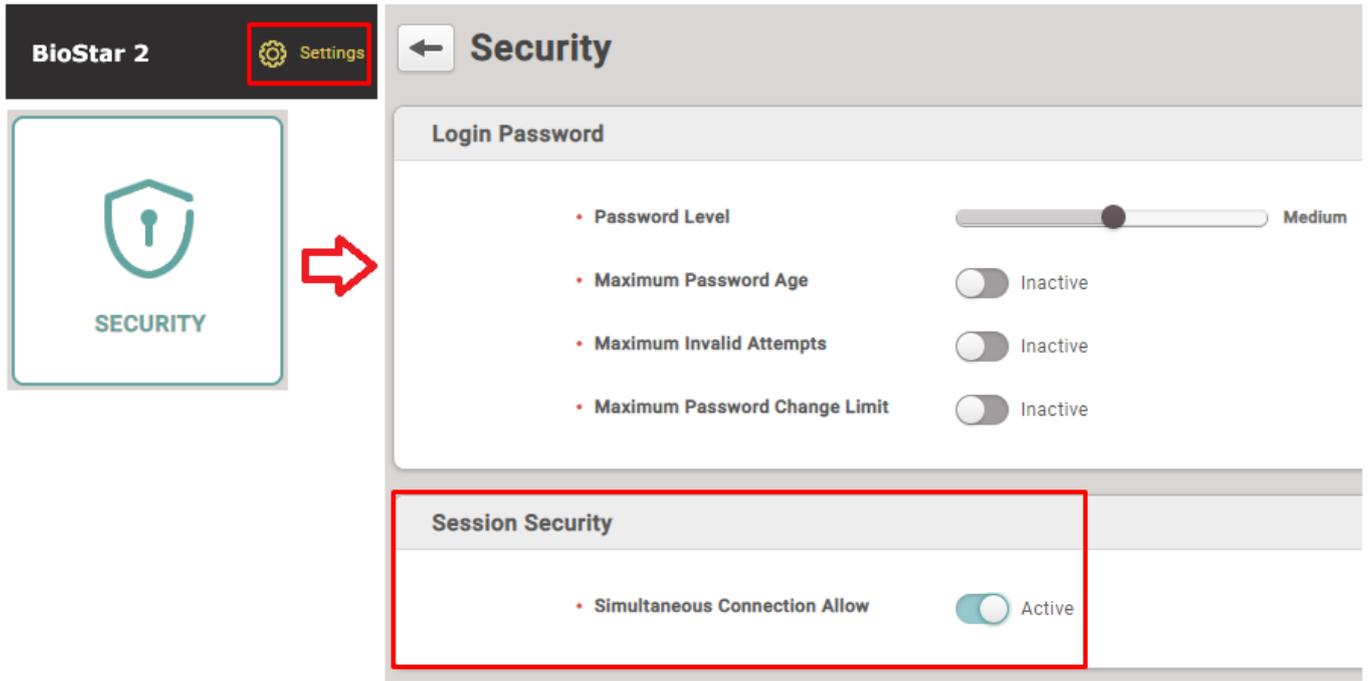
## Feature 1 > Added logic to check file extensions to limit malicious file uploads

In the BioStar 2, you can upload files to edit, update or modify data in the BioStar 2 server and device configuration. In the table below shows which file extensions are only types which BioStar 2 allows.

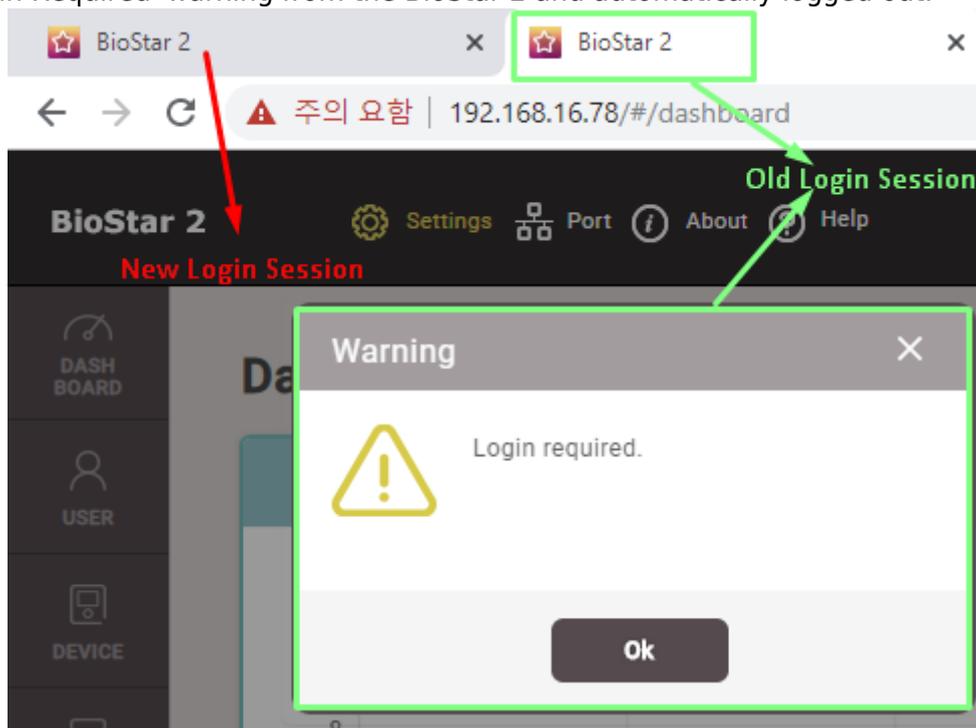
Menu	Feature	Supported File Extension
User	Photo	.png
Device	Home Screen > Logo	.tiff, .pjp, .jpeg, .jfif, .webp, .tif, .bmp, .png, .jpg, .svgz, .jpg, .gif, .svg, .ico, .xbm, .dib
Device	Home Screen > Logo > Slide Show Enabled	.tiff, .pjp, .jpeg, .jfif, .webp, .tif, .bmp, .png, .jpg, .svgz, .jpg, .gif, .svg, .ico, .xbm, .dib
Monitoring	Graphic Map > Background	.gif, .jpg, .png, .bmp, .jpeg

## Feature 2 > Improved to select whether to allow simultaneous access using the same account

From the BioStar 2.7.11, you can active or inactive the simultaneous connection with one BioStar 2 log in account. The default configuration is 'Active' and you can open multiple BioStar 2 sessions with one account. But if you set 'Inactive' the feature, then you cannot open multiple BioStar 2 sessions in one or multiple PC through one user account.



When you 'Inactive' the simultaneous connection feature and try to log in the BioStar 2 with multiple session, old log in session will be expired. If you click some place in old login session BioStar 2, you will meet 'Login Required' warning from the BioStar 2 and automatically logged out.



### Feature 3 > Limited to connect only when the IP information of the account and the IP information of the accessing PC match when logging in by adding an IP address item to the user information

In the BioStar 2.7.11, there was an improvement of configure limitation user PC IP.

- In the User > (Selected User Page) > Information section, 'User IP' box is supported.
- Unlike Name and Period, User IP is not a mandatory field. Whether you insert the user IP or not, you can enroll new user.
- If you registered user PC IP, you can access the BioStar 2 through the registered IP only.

The screenshot shows the 'Information' section for user 'Emilia Watson'. Fields include Name, ID, Group, Period, Operator Level, Login ID, Password, Email, Telephone, Status (Active), Access Group, and USER IP. The USER IP field is highlighted with a red box and contains the value '192.168.18.225'.

• User IP format should be 'XXX.XXX.XXX.XXX' and number should be 0 ~ 255.  
• Only one User IP can be registered for one user.

The top screenshot shows a 'Warning' dialog box with a yellow triangle icon and the text 'Invalid IP address.' The background shows the 'USER IP' field with the value '192.168.18.22A'. The bottom screenshot shows the same dialog box with the text 'Invalid IP address.' The background shows the 'USER IP' field with the value '192.168.18.225, 192.168.18.200'. Below the dialog box, a red text note reads: 'Only ONE IP can be configured for one user.'

From:

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Last update: **2019/12/20 14:10**