

OpenBlocks IoT Family Samba Configuration Guide



Ver.3.3.0

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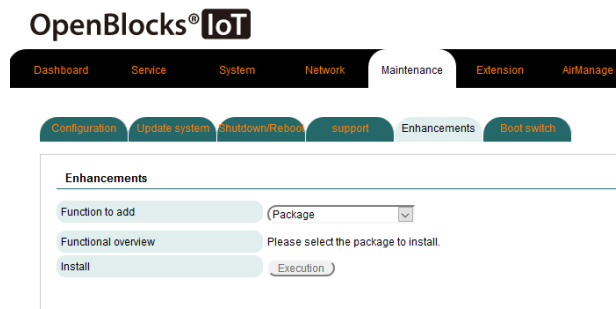
Chapter 1 General

This manual describes how to use file sharing software (Samba) that can be installed in OpenBlocks IoT Family.

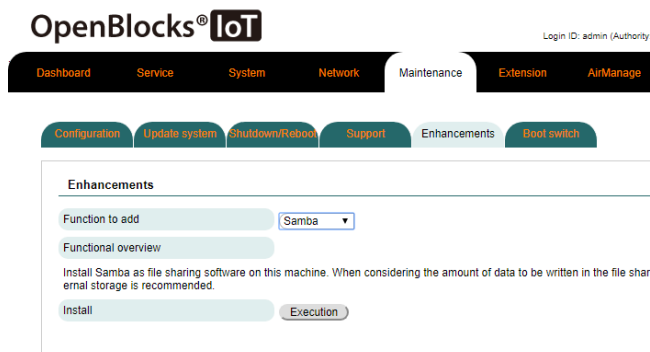
Chapter 2 Setting up Samba

2-1. Installation of Samba

At the time of shipment from our factory, Samba is not installed in this product. To install Samba, using the **[Maintenance]-[Enhancements]** tab.



When choosing the **[Maintenance]** tab of WEB UI and clicking on the **[Enhancements]** tab, it is possible to choose a package for extensions.



From the pull-down menu showing a list of packages to be installed, choose "Samba". Press the Execution button to install the program.

After completing installation, the unit will require rebooting to make the installation effective. Choose the Shutdown/Reboot tab from the Maintenance tab to reboot the unit.

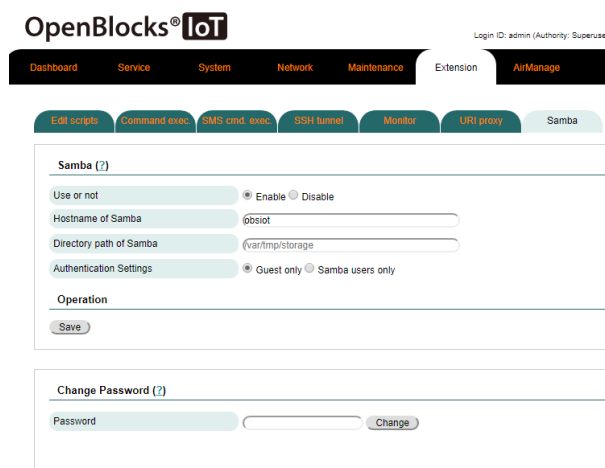
2-2. Samba startup settings

When the Samba package has been installed, **[Samba]** tab will be displayed in the **[Extension]** tab.

It can treat it as a file sharing server by setting "Use or not" of **[Extension]- [Samba]** tab to "Enable" and saving it.

"obssamba" is prepared as a user id for Samba for access. The default password is "P1atDeb1an". For security reasons, change the password.

*"1" of "P1atDeb1an" is one of numeric.



Samba will start and stop by click the save button.

There is concern that writing files by this function will shorten the life of storage.

For this reason, we recommend external storage or tmpfs as a directory used for shared files.

Samba

Use or not :

To use Samba, choose "Enable." If not, choose "Disable."

Hostname of Samba :

Specify the name to be displayed on a Windows PC or the like.

Directory path of Samba :

Specify the path name of the directory to be used for file sharing.

Authentication Setting :

Select the security policy for accessing the file share.

Guest only: Do not authenticate.

Samba users only: Perform login authentication. User id is "obssamba".

Password :

Specify the password for user id "obssamba".

2-3. Packet filtering for Samaba

In order to do file sharing, it is necessary to open the communication port used by Samba.

In the **Filter open Settings** menu in the **[System]-[Filter]** tab, set Samba to "Enable."

The screenshot shows the OpenBlocks IoT web interface. The top navigation bar includes Dashboard, Service, System (selected), Network, Maintenance, and Extension. Below the navigation bar, there are tabs for Basic, More detail, Password, Filter (selected), SSH, and M. Under the Filter tab, there are sub-tabs for File Management, License, SYSLOG Fwd., and SN. The main content area is titled 'Filter open Settings' and includes a checkbox for 'Enable open setting of filter after reboot too.' and a link for 'Extended filter support'. Below this, there are five rows of settings, each with a service name and two radio buttons: 'Enable' and 'Disable'. The 'Samba' row has the 'Enable' radio button selected. At the bottom, there is a 'Save' button and a section titled 'Show iptables' with two rows: 'iptables(IPv4)' and 'iptables(IPv6)', each with 'Display' and 'Do not show' radio buttons.

OpenBlocks® IoT

Dashboard Service System Network Maintenance Extension

To disable SSH, please select the 'disable' and then click the save button.

Basic More detail Password Filter SSH M

File Management License SYSLOG Fwd. SN

Filter open Settings ☒ Enable open setting of filter after reboot too. (?) Extended filter support (?)

SSH ☒ Enable ☐ Disable

Modbus ☒ Enable ☐ Disable

ECHONET(HVSMC) ☐ Enable ☒ Disable

Node-RED ☐ Enable ☒ Disable

Samba ☐ Enable ☒ Disable

Operation

Save

Show iptables

iptables(IPv4) ☐ Display ☒ Do not show

iptables(IPv6) ☐ Display ☒ Do not show

By default the filter is applied so that it can not be accessed for Samba.

Please set it to "Enable" and press save button.

Chapter 3 Other

3-1. Combined with external storage mount function

As a standard function of WEB UI, there is a function to mount external storage automatically.

On the file sharing server, a considerable amount of writing is assumed, therefore, for file sharing by Samba, it is recommended to operate in conjunction with the external storage mount function.

3-2. Combined with storage cleanup function

In file sharing, a considerable amount of writing is done, and the case of exceeding the storage capacity is assumed.

As a standard function of WEB UI, WEB UI, when the usage rate of the disk capacity becomes equal to or more than a certain value, it is possible to delete the file under the specific directory.

therefore, for file sharing by Samba, it is recommended to operate in conjunction with storage cleanup function.

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