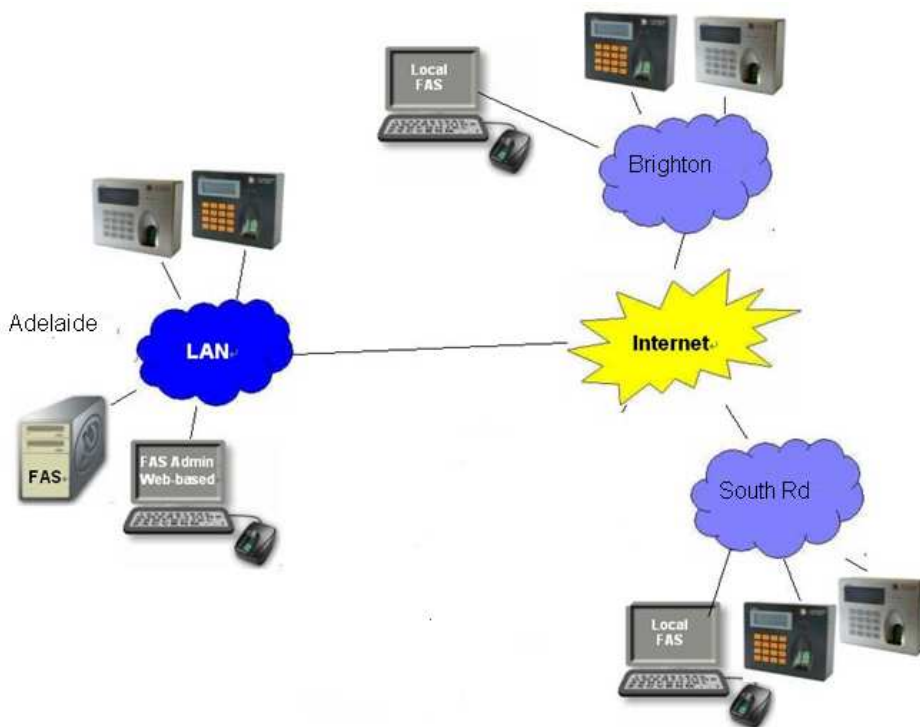


## FAS Administration FAQs

### How do you setup a Remote FAS connection?

Suppose you have a Central FAS in Adelaide and you want to connect to and control two local FAS in Brighton and at South Rd. The structure is like this:



There is a feature called **Remote FAS** which allow you to connect the FAS in Adelaide to the South Rd and Brighton. If the Internet connections between Adelaide FAS and the two remote FAS are setup, the Adelaide FAS can synchronize user data with local Brighton FAS and South Rd FAS. When the Internet connection between Adelaide FAS and local FAS is broken, the access logs will be stored in the local FAS. Once the Internet connection is set up again, the Adelaide FAS will then synchronize and update the user data again from local FAS.

Example setup:

1. The PC hosting FAS in Adelaide will have the IP 192.168.1.140 and Fin'Lock reader with an IP of 192.168.1.205.
2. In Brighton the PC hosting FAS will have the IP 192.168.1.101 and it has a Fin'Lock with IP of 192.168.1.201.
3. Lastly the FAS on South Rd has an IP of 192.168.1.108 and it has a Fin'Lock with the IP 192.168.1.242.



## How do you setup a Remote FAS connection? (Cont.)

The three local networks will need to be connected through routers and firewalls so the ports will need forwarding and exceptions for these ports made in the firewalls on the hosting PCs .

The ports to be forwarded by default are :

FASServer Port Number: 4800  
Fin'lock Port Number: 5001

If required these can be changed from the default in the Settings main menu item as shown below.

The screenshot shows the 'Web Administration' interface for the 'Futronic for Finger Authentication Server' (Version 5.7.2). The browser title is 'Finger Authentication Server Web Administration - Windows Internet Explorer'. The interface has a navigation menu on the left with items: 'Users & Groups', 'Access Record', 'Settings', 'Fin'Lock Control', 'Password Filler', and 'Logout'. The 'Settings' menu item is highlighted in red. The main content area has a top navigation bar with tabs: 'Security Setting', 'In Out Record Options', 'Fin'Lock Definition', 'Permission', and 'Port Number'. The 'Port Number' tab is selected and highlighted in orange. The 'Port Number' settings page includes a 'Default Port Number' section with two input fields: 'FASServer Port Number' (value: 4900) and 'Fin'Lock Port Number' (value: 5001). Below these fields is an 'Apply' button. A section titled 'Enable Independent Port Number for FAS and FinLock?' has two radio buttons: 'No' and 'Yes' (selected). Below this is another 'Apply' button. At the bottom, there is a note: 'To restart the FAS Service, please click the link below:' followed by a blue link labeled 'ReStart FAS Service'. The footer of the page reads 'Copyright (c) 2010 Futronic Technology Company Limited'.



## How do you setup a Remote FAS connection? (Cont.)

If required you can enable independent Port numbers for FAS and Fin'Lock. This will change the Fin'Lock Definition page to display the extra ports as seen in the next screen shot.

**Web Administration**  
for Finger Authentication Server

**Futronic**  
Version 5.7.2

Security Setting | In Out Record Options | **Fin'Lock Definition** | Permission | Port Number

**Fin'Lock Definition**

**IMPORTANT:** Once you add a Fin'Lock, please turn on the 'Allow init' in Fin'Lock menu and then click the related hyperlink 'Initialize' to set up the connection between Fin'Lock and FAS. It just need to do only ONCE.

Local Fin'Lock Definition

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port			
4	192.168.1.205	Adelaide Main door	5001	4900	Initialize	Edit	Delete

Please define the Local Fin'Lock

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port	
<input type="text"/>	<input type="text"/>	<input type="text"/>	5001	4900	Add

Remote FAS Definition

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port			
2	192.168.1.101	Brighton	4900	4900	Initialize	Edit	Delete
6	192.168.1.108	South Rd	4900	4900	Initialize	Edit	Delete

Please define the Remote FAS

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port	
<input type="text"/>	<input type="text"/>	<input type="text"/>	4900	4900	Add

Fin'Lock has been initialized successfully!

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The port will need to be changed on the Fin'Lock reader :

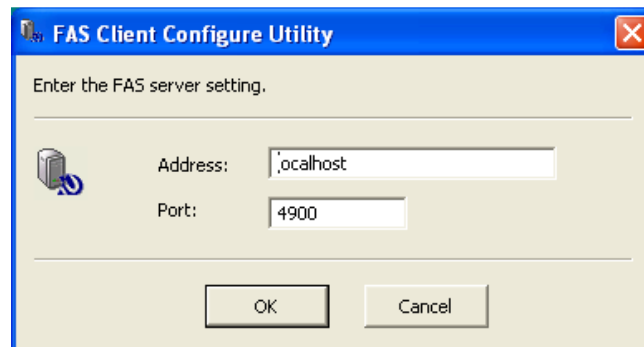
From the first Admin menu choose :

- System Admin (3)
- Network admin (3)
- Set Local Port (2)

You will also have to change the FAS Port number. This will require the FAS Client Configuration utility accessible from the Futronics program menu.

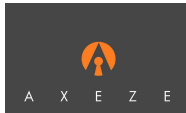


How do you setup a Remote FAS connection? (Cont.)



We can now setup the Remote FAS connections. There are a number of simple rules to follow to ensure the connections will work:

1. You must define the Remote FAS connection on the FAS at each end of the connection.
2. Each of these two definitions must have the same ID.
3. The ID at each end of the connection must be unique at the FAS at that end.
4. The IP in each definition is the IP of the FAS host at the other end of the connection.
5. The description at each FAS does not need to be the same. It could be for example the name of the other FAS.
6. Once both ends are defined you must then initialize the Remote FAS connection. Look for the confirmation message at the bottom of the page.



How do you setup a Remote FAS connection? (Cont.)

7.

This is the definitions set up on the Adelaide FAS:

**Web Administration**  
for Finger Authentication Server

**Futronic**  
Version 5.7.2

Security Setting | In Out Record Options | **Fin'Lock Definition** | Permission | Port Number

**Fin'Lock Definition**

**IMPORTANT:** Once you add a Fin'Lock, please turn on the 'Allow init' in Fin'Lock menu and then click the related hyperlink 'Initialize' to set up the connection between Fin'Lock and FAS. It just need to do only **ONCE**.

Local Fin'Lock Definition

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port			
4	192.168.1.205	Adelaide Main door	5001	4900	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Please define the Local Fin'Lock

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port	
<input type="text"/>	<input type="text"/>	<input type="text"/>	5001	4900	<input type="button" value="Add"/>

Remote FAS Definition

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port			
2	192.168.1.101	Brighton	4900	4900	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
6	192.168.1.108	South Rd	4900	4900	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Please define the Remote FAS

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port	
<input type="text"/>	<input type="text"/>	<input type="text"/>	4900	4900	<input type="button" value="Add"/>

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How do you setup a Remote FAS connection? (Cont.)

This is the definitions set up on the South Rd FAS:

The screenshot shows the 'Web Administration' interface for a Finger Authentication Server (FAS). The 'Fin'Lock Definition' tab is selected, displaying a table of local and remote definitions. An important note states: 'IMPORTANT: Once you add a Fin'Lock, please turn on the 'Allow init' in Fin'Lock menu and then click the related hyperlink 'Initialize' to set up the connection between Fin'Lock and FAS. It just need to do only ONCE.'

**Local Fin'Lock Definition**

Fin'Lock_ID	Fin'Lock_IP	Description			
2	192.168.1.242	South Rd Front Door	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Please define the Local Fin'Lock

Fin'Lock_ID	Fin'Lock_IP	Description	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

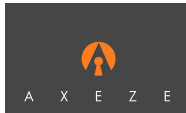
**Remote FAS Definition**

Fin'Lock_ID	Fin'Lock_IP	Description			
6	192.168.1.140	Adelaide	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Please define the Remote FAS

Fin'Lock_ID	Fin'Lock_IP	Description	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

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How do you setup a Remote FAS connection? (Cont.)

This is the definitions set up on the Brighton FAS:

**Web Administration**  
for Finger Authentication Server

**Futronic**  
Version 5.7.2

Security Setting | In Out Record Options | **Fin'Lock Definition** | Permission | Port Number

**Fin'Lock Definition**

**IMPORTANT:** Once you add a Fin'Lock, please turn on the 'Allow init' in Fin'Lock menu and then click the related hyperlink 'Initialize' to set up the connection between Fin'Lock and FAS. It just need to do only **ONCE**.

Local Fin'Lock Definition

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port			
1	192.168.1.201	Brighton Main Door	5001	4900	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Please define the Local Fin'Lock:

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port	
<input type="text"/>	<input type="text"/>	<input type="text"/>	5001	4900	<input type="button" value="Add"/>

Remote FAS Definition

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port			
2	192.168.1.140	Adelaide	4900	4900	<a href="#">Initialize</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

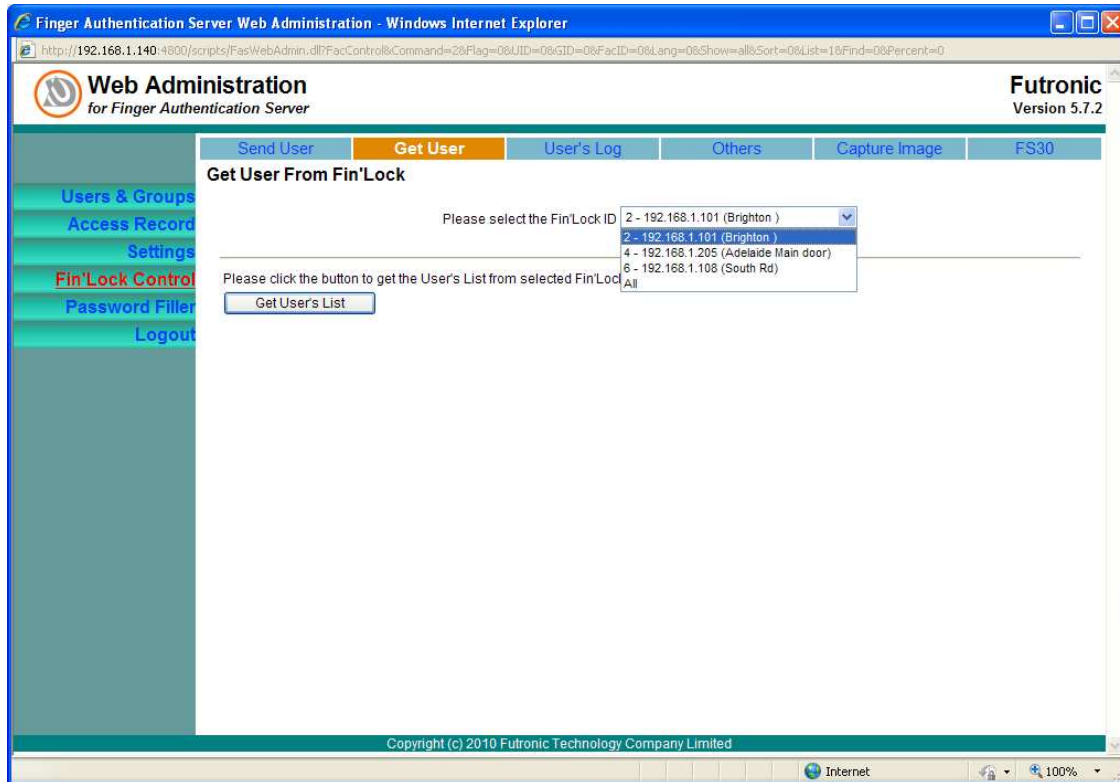
Please define the Remote FAS:

Fin'Lock_ID	Fin'Lock_IP	Description	FinLock Port	FAS Port	
<input type="text"/>	<input type="text"/>	<input type="text"/>	4900	4900	<input type="button" value="Add"/>

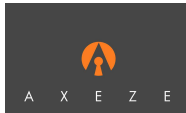


## How do you setup a Remote FAS connection? (Cont.)

Now that the Remote FAS connections are up and running you can copy data from one FAS to another as if the Remote FAs was a local Fin'Lock. So say we are monitoring the Adelaide FAS and we want to get a user from the Brighton FAS. We go to Fin'Lock Control page and select the Brighton Remote FAS via the Fin'Lock selection drop down menu.







## How do you setup a Remote FAS connection? (Cont.)

And we click “Get User List” button. The users available from The South Rd FAS are now listed in the Adelaide FAS .

The screenshot shows the 'Finger Authentication Server Web Administration' interface in Internet Explorer. The browser address bar shows 'http://192.168.1.140:4800/scripts/FasWebAdmin.dll?'. The page title is 'Finger Authentication Server Web Administration - Windows Internet Explorer'. The interface includes a navigation menu on the left with options: 'Users & Groups', 'Access Record', 'Settings', 'Fin'Lock Control', 'Password Filler', and 'Logout'. The main content area has a dropdown menu for 'Please select the Fin'Lock ID' set to '2 - 192.168.1.101 (Brighton)'. Below this is a 'Get User's List' button. A message says 'Please click the User ID to get it from Fin'Lock. Click Delete to delete it from Fin'Lock'. There is also a 'List in one page' button. The user list table is as follows:

User ID	Delete	GID	User Type	S_Level	Status	F#1	F#2	F#3
1	Delete	0	VIP	3	Active	RF4	-	-
23	Delete	0	VIP	2	Active	RF2	-	-
123	Delete	0	VIP	1	Active	LF3	LF2	LF4
911	Delete	0	VIP	3	Active	RF1	-	-
1000	Delete	0	VIP	1	Active	RF2	-	-
1234	Delete	1	VIP	1	Active	RF1	-	-
1612	Delete	0	VIP	2	Active	RF1	-	-
1613	Delete	0	PoU	-	Active	-	-	-
2116	Delete	0	VIP	2	Active	RF1	-	-
2212	Delete	0	VIP	1	Active	RF2	-	-
2323	Delete	0	VIP	1	Active	RF2	-	-
2324	Delete	0	VIP	1	Active	RF2	-	-
4000	Delete	0	VIP	3	Active	RF2	-	-
4361	Delete	0	VIP	3	Active	RF1	-	-
4711	Delete	2	VIP	2	Active	RF1	RF2	-
4712	Delete	0	PoU	-	Active	-	-	-
4713	Delete	0	CoU	-	Active	-	-	-
4714	Delete	0	PoU	-	Active	-	-	-
4848	Delete	0	VIP	2	Active	RF2	-	-
5386	Delete	1	VIP	3	Active	LF4	-	-

Total number of users: 26

Get the Group Users from selected Fin'Lock

To download them to the Adelaide FAS from the Brighton FAs I can just click on a user ID in the User list.

The screenshot shows the 'Finger Authentication Server Web Administration' interface in Internet Explorer. The browser address bar shows 'http://192.168.1.140:4800/scripts/FasWebAdmin.dll?'. The page title is 'Finger Authentication Server Web Administration - Windows Internet Explorer'. The interface includes a navigation menu on the left with options: 'Users & Groups', 'Access Record', 'Settings', 'Fin'Lock Control', 'Password Filler', and 'Logout'. The main content area has a 'Send User' button, a 'Get User' button (highlighted in orange), and a 'User's Log' button. Below these buttons is the text 'Get User From Fin'Lock'. The statistics section shows: 'Statistics: Erase User: 1613 from FAS, OK! Get User: 1613 from Fin'Lock# 2 OK!'

In this case 1613 was already in the Adelaide so it erased the current user and added the fresh copy from Brighton. I could also have pulled down all users or filtered it by the Group key.