



**PowerShield**

**Link**

**Admin Utility Manual**



This document list instructions to change settings for various Link features using Link Admin Utility program

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PowerShield Limited  
PO Box 102-190  
NSMC  
North Shore City 0745  
New Zealand



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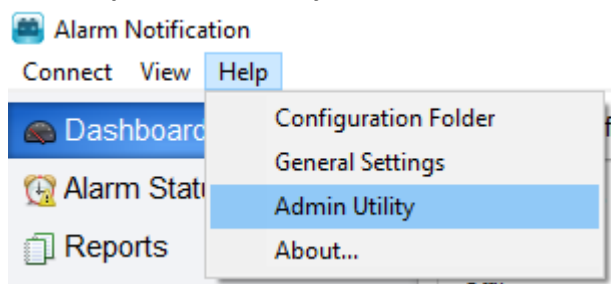
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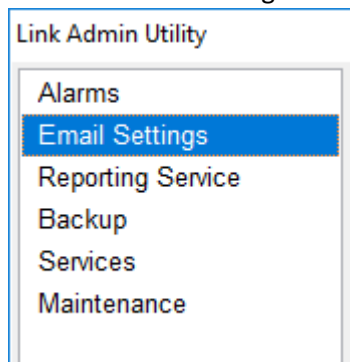
## Setup SMTP server for Data Emailing

Correct SMTP server setup is required for data emailing.

1. Start “Link Client”
2. Click **Help -> Admin Utility** to start Link Admin Utility



3. Click on “Email Settings” tab.



4. Enter Server address under **Host** and enter **Port number**  
Click Use **TLS/SSL** button only if SMTP server uses **SSL** otherwise leave it unchecked

A screenshot of the 'Server' configuration section in the Link Admin Utility. It contains a 'Host' text input field, a 'Port' spinner box set to 25, and a checkbox labeled 'Use TLS/SSL' which is currently unchecked.

Notice: Link version 4.0.1 only supports SSLv3, and does not support TLS. Most email hosting operations, such as those provided by Google, Microsoft, or Amazon, require TLS support. These providers are not currently supported by Link.

5. If SMTP server requires authentication, click “User Authentication” option and enter in **Username** and **Password**. Otherwise, select “No Authentication” option

A screenshot of the 'Authentication' section in the Link Admin Utility. It shows two radio button options: 'No Authentication' and 'User Authentication' (which is selected). Below these are 'Username' and 'Password' text input fields. The 'Username' field contains the text 'EditEmailUsername'.



6. Edit Retry period, Email Address and Sender Description if required. Then Click Save button
- 7.

Retries

0 Minutes

Emails that fail to send will be tried again after this time interval.

Sender

Email Address: link@donotreply.com

Sender Description: Link Battery Monitoring Software

Test

Test Connection

Click the button to test the above email configuration

Save Close

8. After these changes all services will restart automatically. System should have SMTP server setting for data emailing now

**Correct SMTP server setting can be checked with following procedures:**

1. Click on “Test Connection” button
2. Enter **Email Address** to receive test email and click “OK” button

Link Admin Utility

Enter the test email address

OK Cancel

3. If correct SMTP settings are made, Admin Utility will display “Test Successful” message and test email will be received in Email address entered in step 2. If there is error in setting, Admin Utility will display error message

Test

Test Connection

Test Successful

Test

Test Connection

Test Failed  
10060:Connection timed out



## Enable Data Export

Export feature is disabled for default install. Follow below procedures to enable export.

**Note:** Ensure correct SMTP server setting is set before enabling data export

1. Click on “Reporting Service” tab in Link Admin Utility.
2. Select **Powershield** button to send data emails to [data@powershield.co.nz](mailto:data@powershield.co.nz) or select **Other** button and enter in email address to receive data export emails. Selecting both options will send data emails to both email address

**Note:** multiple email address can be listed separated by comma

3. Edit file size per email if needed

The screenshot shows the 'Link Admin Utility' window with the 'Reporting Service' tab selected in the left sidebar. The main panel is titled 'Remote Reporting Service' and contains a message: 'The Remote Reporting Service requires a separate subscription with PowerShield Limited or an authorised PowerShield partner. For more information visit <http://powershield.com>'. Below this, there is an 'Exports' section with a 'Service' label and two checkboxes: 'Powershield' and 'Other'. Underneath, there is a label 'File size per email' and 'Size of files per email (kb)' followed by a spinner box set to '2000'.

4. Enter Organization details then click “Save” button

The screenshot shows the 'Organization' form with four input fields: 'Company Name', 'Facility Name', 'City', and 'Country Code'. The 'City' field has 'City Name' entered, and the 'Country Code' field has 'US' entered. At the bottom right of the form are 'Save' and 'Close' buttons.

After these changes all services will restart automatically. System should have export feature enabled after service reset.



## Disable Data Export

1. Click on “Reporting Service” tab in Link Admin Utility. Ensure both tick boxes under **Exports/Service** tab are **unchecked** then click “Save” button

Link Admin Utility

Alarms  
Email Settings  
**Reporting Service**  
Backup  
Services  
Maintenance

Remote Reporting Service

The Remote Reporting Service requires a separate subscription with PowerShield Limited or an authorised PowerShield partner. For more information visit <http://powershield.com>

Exports

Service

☐ Powershield  
☐ Other

File size per email  
Size of files per email (kb)  
2000

Organization

Company Name Facility Name  
Company Name Facility Name

City Country Code  
City Name US

Save Close

After these changes all services will restart automatically. System should have export feature disabled after service reset.



## Enable Email Alarm Notifications

Email Alarm Notifications feature is disabled for default install. Follow below procedures to enable this feature

**Note:** Ensure correct SMTP server setting is set before enabling Email Alarm Notification

1. Click on “Alarms” tab in Link Admin Utility
2. Select **Enable email notifications** option
3. Edit **Time Window** and **Email Limit** if needed  
**Note:** Alarm emails will be only sent during Time Window set
4. Click “Save” button. After these changes all services will restart automatically.

The screenshot shows the 'Link Admin Utility' window with the 'Emailing' tab selected. The left sidebar contains a tree view with 'Alarms' selected. The main content area has two tabs: 'Emailing' and 'Battery Alarms'. Under 'Emailing', there are three sections: 'Notifications', 'Time Window', and 'Test'. In the 'Notifications' section, the 'Enable email notifications' checkbox is checked. In the 'Time Window' section, the '24 Hours (emails can be sent any time)' radio button is selected. Below this, there are 'Start Time' and 'End Time' dropdown menus showing '12:00:00 AM' and '11:59:59 PM' respectively. In the 'Email Limit' section, a text box shows the value '10'. In the 'Test' section, there is a 'Test' button and a message: 'Click the button to test the above email configuration'. At the bottom of the window, there are 'Save' and 'Close' buttons.

5. Open Link Client





6. Select **Users** tab. Select one user (which is in use) and click **Edit** button

The screenshot shows the 'Alarm Notification' software window. On the left is a sidebar menu with options: Dashboard, Alarm Status, Reports, Real-Time (Summary, Detail), Graph By (Event, Trend, Day), Data Transfer (Downloads, Communications), and Settings (Users, Systems, Battery Types, Security, Alarm Notification). The 'Users' option under Settings is selected. The main area is divided into two panels. The left panel, titled 'Users', contains a table with columns 'Username' and 'User'. The 'ADMIN' user is selected. Above this panel are buttons for Add, Delete, Edit, Cancel, Save, and Change Password. The right panel, titled 'Settings', contains form fields for User name (ADMIN), Email Address, Work Phone, SMS Number, Other, Access (Admin), Send Email, and Send SMS.

7. Enter **Email Address**, click “Send Email” option then click “Save” button

This is a close-up of the 'Settings' panel from the previous screenshot. It shows the following fields: 'User name' with the value 'ADMIN'; 'Email Address', 'Work Phone', 'SMS Number', and 'Other' as empty text boxes; 'Access' as a dropdown menu currently showing 'Admin'; and 'Send Email' and 'Send SMS' as unchecked checkboxes. At the top of this panel are buttons for Edit, Cancel, Save, and Change Password.

8. **Alarm notification email** will be sent to **email address** entered in step 7, if alarms are raised



Alarm notification setting can be checked with following procedures:

1. Click on “Test” button

Test

Click the button to test the above email configuration

2. Enter **Email Address** to receive test email and click “OK” button

Link Admin Utility X

Enter the test email address

3. If correct alarm notification settings are made, Admin Utility will display “Test Successful” message **and** test email will be received in Email address entered in step 2. If there is error in setting, Admin Utility will display error message

Test

Email Sent Successfully

Test

Test Failed  
10060:Connection timed out



## Enable SMS Alarm Notification

### 1. Configure the “Email to SMS” gateway in the Link Admin Utility.

Link uses an Email to SMS gateway service to send SMS messages. Link sends a standard email to this service. The service then converts that email to an SMS and sends it to the SMS number. If no internal gateway service is available at the customer premises a third party service will be required.

These fields need to be configured to match the format of the email as required by the selected SMS gateway service. These requirements will be different between SMS gateway services.

#### a. Address Format:

This represents the email address where the alarms are sent. When sending a notification email Link will replace the word “sms-number” with the actual SMS numbers for each Link user who has entered an “SMS Number” and enabled the “Send SMS” checkbox.

#### b. Subject Format:

This is the subject of the email. The word “sms-number” can also be used in this field.

#### c. Email Message Body:

This represents the contents of the email. When sending a Notification email Link will replace the word “sms-message” with the details of the Link alarm. The word “sms-number” can also be used in this field.

**Do not enter SMS numbers directly in to these fields.**



## 2. Specify the SMS number to send notification messages to

1. Open Link Client.
2. Select the **Contacts** tab.
3. Select a valid Link “Username” from the “Contacts” List or click the “Add” button to add a new one.
4. Enter the SMS number into the “SMS Number” field.
5. Tick the “Send SMS” check box.

The screenshot displays the 'Link - Battery Management' application window. On the left is a sidebar menu with options: Dashboard, Alarm Status, Reports, Real-Time (Summary, Detail), Graph By (Event, Trend, Day), Data Transfer (Downloads, Communications), and Settings (Contacts). The 'Contacts' tab is selected. The main area is divided into two panels. The left panel, titled 'Contacts', contains a table with one entry: 'SITE TECHNICIAN'. The right panel, titled 'Settings', contains form fields for Name (SITE TECHNICIAN), Email Address (tech@services.com), Work Phone (020 555 8888), SMS Number (0205558888), and Other. At the bottom of the Settings panel are two checkboxes: 'Send Email' and 'Send SMS', both of which are checked. A red rectangular box highlights these two checkboxes.

Contacts	
Name	
SITE TECHNICIAN	

Settings	
Name	SITE TECHNICIAN
Email Address	tech@services.com
Work Phone	020 555 8888
SMS Number	0205558888
Other	
Send Email	<input checked="" type="checkbox"/>
Send SMS	<input checked="" type="checkbox"/>



## Enable Email Alarm Notification by Monitor

Link can be configured to send alarm emails to a list of contacts per Monitor/System. Link needs to have at least one System added to configure this feature.

Once this feature is enabled a list of contacts can be entered for each system.

**Note:** This feature is using separate email contact lists for each monitor and overrides the previous approach that uses Contacts, and the Email SMS feature will not work with this approach.

Ensure that the correct SMTP server setting are set by testing this first before enabling Email Alarm Notification by Monitor.

To configure the feature, do the following:

1. Click on “Alarms” tab in Link Admin Utility
2. Select both **Enable email notifications** and **Enable email notifications by monitor** options

The screenshot shows the 'Link Admin Utility' window with the 'Alarms' tab selected in the left sidebar. The main area is titled 'Emailing' and 'Emailing by System'. Under the 'Notifications' section, both 'Enable email notifications' and 'Enable email notifications by monitor' are checked. The 'Time Window' section has '24 Hours (emails can be sent any time)' selected. The 'Start Time' is set to 12:00:00 AM and the 'End Time' is set to 11:59:59 PM. The 'Email Limit' is set to 10. A green status bar at the bottom indicates 'Last configuration saved at 12/04/2023 2:10:08 PM'. 'Save' and 'Close' buttons are at the bottom right.

Section	Option	Value
Notifications	Enable email notifications	Checked
	Enable email notifications by monitor	Checked
Time Window	Time Window	24 Hours (emails can be sent any time)
	Specified hours	Not selected
Time Window	Start Time	12:00:00 AM
	End Time	11:59:59 PM
Email Limit	Maximum number of emails	10



3. Click on “Emailing by System” tab

The screenshot shows the 'Link Admin Utility' window with the 'Emailing by System' tab selected. On the left is a sidebar menu with options: Alarms, Email Settings, Email to SMS, Reporting Service, Backup, Services, and Configuration. The main area has a 'System:' dropdown menu currently set to 'Sample Controller'. Below it is an 'Email List:' text area, which is currently empty. A note states 'Format is one email address per line:'. Below the text area are three buttons: 'Select All', 'Copy', and 'Paste'. At the bottom right of the window are 'Save' and 'Close' buttons; the 'Save' button is highlighted with a red rectangle.

4. Select a System in the **System** drop-down menu, a respective list of email addresses should be displayed. It is empty initially
5. Fill up the list with email addresses that need to be notified when a particular System raises an alarm
6. Use **Select All**, **Copy**, and **Paste** buttons to perform repetitive operations for multiple Systems
7. Once configured, click “Save” button. After these changes all services will restart automatically



The screenshot shows the 'Link Admin Utility' window with the 'Emailing' tab selected. The 'Emailing by System' sub-tab is active. The 'System' dropdown menu is set to 'Sample Controller'. The 'Email List' text area contains three email addresses: 'sampleaddress1@mail.com', 'sampleaddress2@mail.com', and 'sampleaddress3@mail.com'. Below the text area, a message states 'Format is one email address per line:'. There is a text input field labeled 'Email Addresses' with 'Select All', 'Copy', and 'Paste' buttons. At the bottom, a green status bar indicates 'Last configuration saved at 12/04/2023 2:10:08 PM', and there are 'Save' and 'Close' buttons.

Configured email addresses will get notified when a corresponding Monitor/System raises an alarm. If users want to go back to the older approach that uses **Contacts**, they need to follow the instructions in the following “Disable Email Alarm Notification by Monitor” section.

### Disable Email Alarm Notification by Monitor

1. Click on Alarms tab in Link Admin Utility
2. Untick **Enable email notifications by monitor** option, leave **Enable email notifications** option ticked
3. Click “Save” button. All services will restart automatically

The screenshot shows the 'Link Admin Utility' window with the 'Emailing' tab selected. The 'Notifications' section is visible, showing two checkboxes: 'Enable email notifications' (checked) and 'Enable email notifications by monitor' (unchecked).

4. After these changes, alarm emailing will be working as per notifications configuration described in “Enable Email Alarm Notification” section of this manual



## Disable Email Alarm Notifications

1. Click on Alarms tab in Link Admin Utility
2. Untick **Enable email notifications** option
3. Click “Save” button. After these changes all services will restart automatically

Link Admin Utility

**Alarms**  
Email Settings  
Email to SMS  
Reporting Service  
Backup  
Services  
Configuration

Emailing

Notifications

☐ Enable email notifications  
☐ Enable email notifications by monitor

Time Window

Time Window

☒ 24 Hours (emails can be sent any time)  
☐ Specified hours

Start Time

00:00:00

End Time

23:59:59

Email Limit

The maximum number of emails an individual system can send within window. Emails past the limit are collected and sent at the beginning of time window.

10

Save

4. No email will be sent after alarm is raised once email alarm notification feature is disabled





## Edit Battery Alarms Setting

Notice: The settings on this page only affect Sentinels/B2000s. Controllers contain their own clearing logic and are unaffected by these settings.

1. Click on “Alarms” tab in Link Admin Utility
2. Select Battery Alarms tab

The screenshot shows the 'Link Admin Utility' interface. On the left, a sidebar menu has 'Alarms' highlighted in blue, with other options like 'Email Settings', 'Reporting Service', 'Backup', and 'Services' listed below it. To the right, there are three tabs: 'Emailing', 'Battery Alarms' (which is selected), and an unlabeled tab. Below the 'Battery Alarms' tab, the 'Auto Clearing' section is visible, containing a 'Schedule:' label and a descriptive text: 'This is the schedule that Link uses to clear battery alarms from the monitor.'

3. Auto Clearing Schedule maybe edited with Hourly, Daily, Weekly options

This screenshot shows a close-up of the 'Auto Clearing' section. It includes the 'Schedule:' label and the explanatory text. Below this, a dropdown menu is open, showing four options: 'Hourly' (selected and highlighted in blue), 'Hourly' (unselected), 'Daily', and 'Weekly'. The dropdown arrow is visible on the right side of the 'Hourly' option.

4. Time window for alarm reactivation maybe edited to reactivate alarm at faster or slower rate

The screenshot shows the 'Reactivation' section of the settings. It contains two sub-sections. The first is 'Time Window:', with a description 'If the same fault condition reoccurs within this time window, the alarm is reactivated in link.' Below this is a numeric input field set to '24' and a unit selector set to 'Hours'. The second sub-section is 'Impedance Time Window:', with a description 'If the same impedance related fault condition reoccurs within this time window, the alarm is reactivated in Link.' Below this is another numeric input field set to '48' and a unit selector set to 'Hours'.

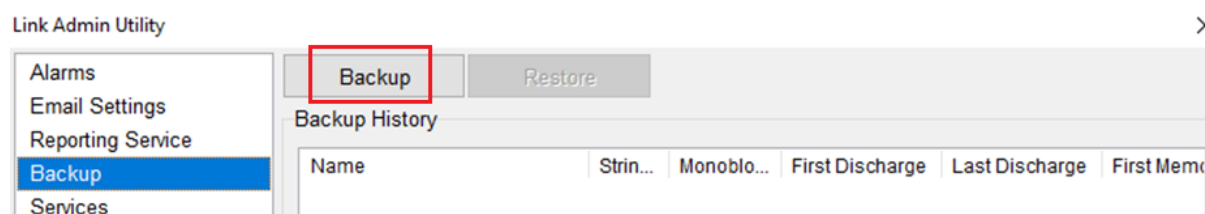
5. Click Save button to save changed settings. New settings will be applied after automatic service restart



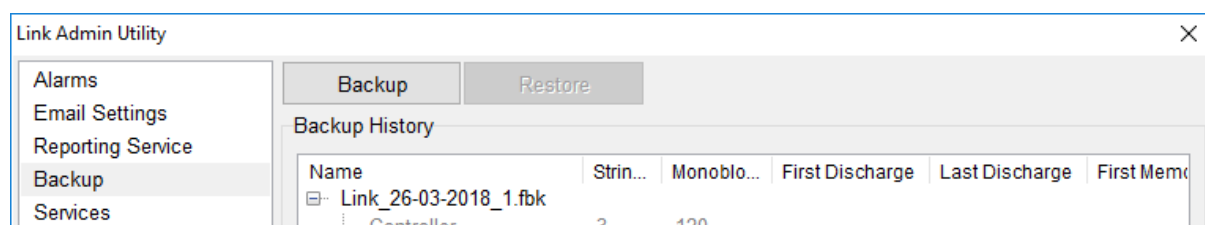
## Database Backup

1. Click on “Backup” tab in Link Admin Utility
2. Click on “Backup” button.

**Note:** Ensure Link.fdb database is located in *C:\Program Files (x86)\PowerShield\Link Server\Database* directory



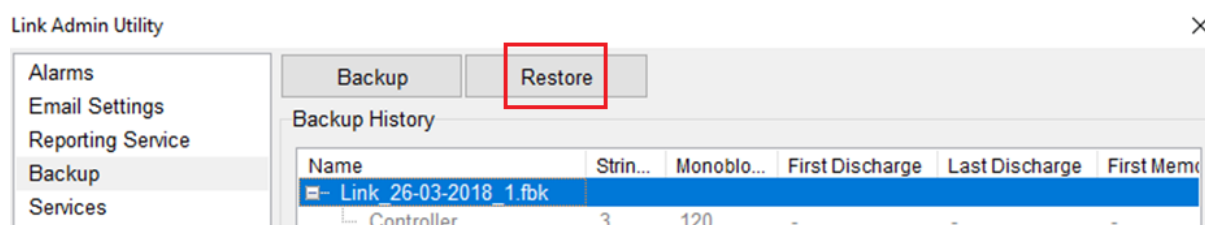
3. Once backup is completed, backup file will appear in **Backup History** screen



## Database Restore

1. Go to “Services” tab then **stop** all services (Detailed instruction on **stopping services** is listed in page 10)
2. Click on “Backup” tab in Link Admin Utility
3. Select backup file then click “Restore” button.

**Note:** Restore button is disabled if backup file is not selected

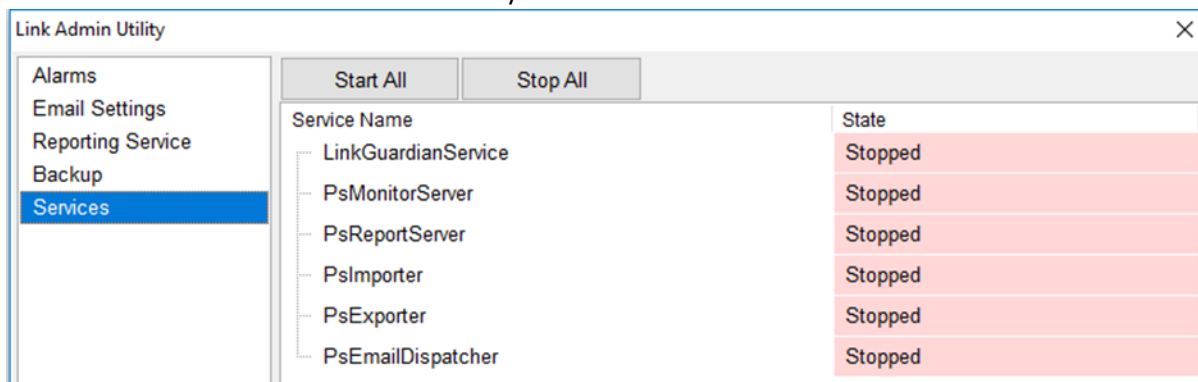


4. Once restore is completed, start all services then start Link
5. Link should be running with restored database



## Start/Stop Services

1. Click on “Services” tab in Link Admin Utility



2. When services are in **Stopped** state, click “Start All” button.  
State of service will be changed to **Starting...** then to **Running** state  
**Note:** Services are properly running once they are in **Running** state



3. When services are in **Running** state, click “Stop All” button.  
State of service will be changed to **Stopping...** then to **Stopped** state  
**Note:** Services are fully stopped once they are in **Stopped** state





## Change Link to Service Edition

1. Click on “Configuration” tab
2. In the Edition box select the “Service” option

### Link Admin Utility

Link Admin Utility

Alarms  
Email Settings  
Email to SMS  
Reporting Service  
Backup  
Services  
**Configuration**

Link Database Repair Database Tables

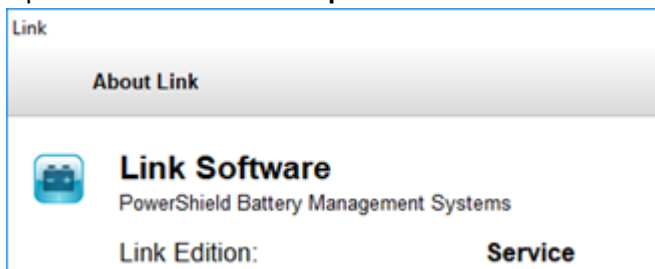
Edition

☒ Standard  
☐ **Service**

User Mode

☒ Simple  
☐ Legacy

3. Click “Save” button. Changes will be applied once all service restarts
4. Open Link Client. Go to **Help-> About**. Link Edition should be displayed as **Service**



## Change Link to Standard Edition

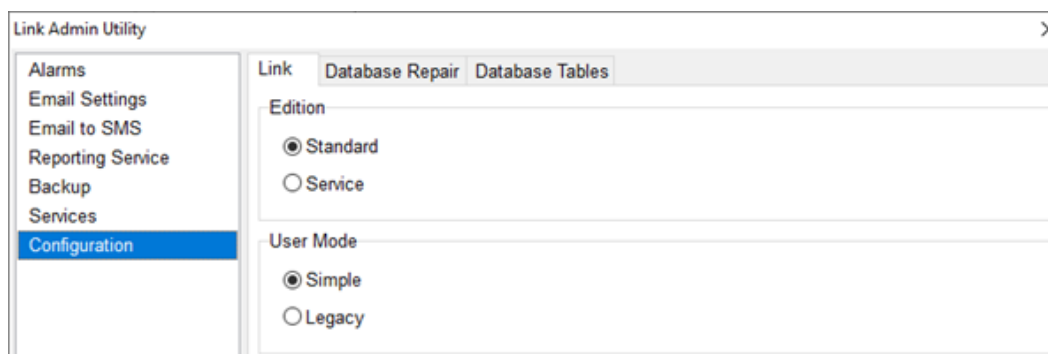
1. Click on “Configuration” tab in Link Admin Utility
2. On the Link tab, in the Edition box select the “Standard” option
3. Click “Save” button. Changes will be applied once all service restarts
4. Open Link Client. Go to **Help-> About**. Link Edition should be displayed as **Standard**



## Change Link User Mode

By default, Link is installed in Simple User Mode which means the Link Client automatically connects to the Link Server without the user needing to enter a username or password. If the facility/site requires basic security with Link, then enable Legacy User Mode.

Location of the User Mode setting is shown below.



Change User Mode:

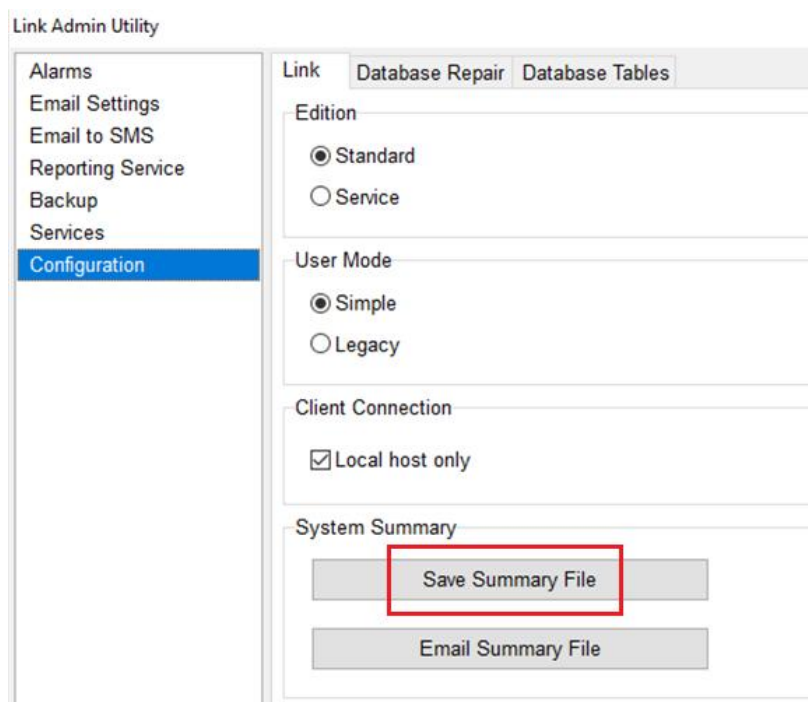
1. Close all Link Clients
2. Click on “Configuration” tab in Link Admin Utility
3. Select User Mode
4. Click on “Save”



## Save System Summary

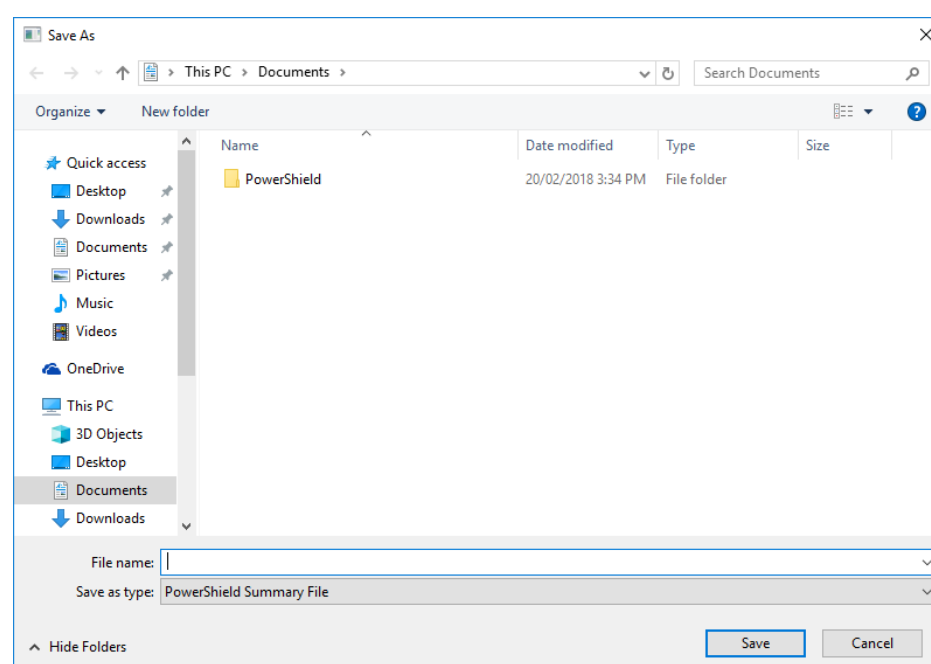
The System Summary file contains information about the computer and the Link configuration, the file is for Tech Support purposes only and may be requested by a PowerShield partner or PowerShield.

1. Click on “Configuration” tab in Link Admin Utility
2. Click “Save Summary File” button



3. Choose **directory** to save summary file and enter in **filename** then click “Save” button .**pws** file will be generated in selected directory

**Note:** Saving may take several minutes if database size is large





## Email System Summary

1. Go to Link Server Directory (C:\Program Files (x86)\PowerShield\Link Server) and open **LinkAdminUtility.ini**

Name	Date modified	Type	Size
libeay32.dll	11/02/2013 10:32 ...	Application extens...	1,131 KB
libssl32.dll	11/02/2013 10:35 ...	Application extens...	264 KB
LinkAdminUtility	15/09/2017 4:09 PM	Application	1,728 KB
<u>LinkAdminUtility</u>	20/02/2018 3:32 PM	<u>Configuration sett...</u>	3 KB
LinkUtils	15/09/2017 4:13 PM	Application	7,279 KB

2. Enter Email address to receive system summary file under Maintenance tab  
e.g. [Email=someone@gmail.com](mailto:someone@gmail.com)

```
[Maintenance]
Path=C:\Program Files (x86)\PowerShield\Link Server\Maintenance
DumpTables=1,27,28,12,13,14,15,16,29,55,77,74,75,78
Logs=C:\Program Files (x86)\PowerShield\Link Server\LOG
Email=email service
Gfix=C:\Program Files\Firebird\Firebird_2_5\gfix.exe
```

3. Open LinkAdminUtility.exe file and click “Configuration” tab
4. Click “Email Summary File” button

Link Admin Utility

Alarms  
Email Settings  
Email to SMS  
Reporting Service  
Backup  
Services  
**Configuration**

Link Database Repair Database Tables

Edition  
☒ Standard  
☐ Service

User Mode  
☒ Simple  
☐ Legacy

Client Connection  
☒ Local host only

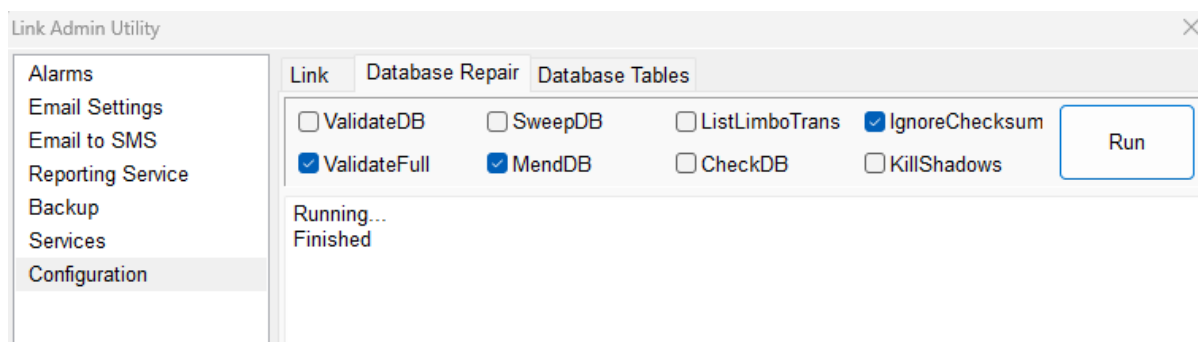
System Summary  
Save Summary File  
Email Summary File

5. Email should be sent to email address listed in Step 2



## Database Repair

1. Click “Database Repair” tab in “Configuration” Screen
2. Click “Run” button
3. If there are any errors in database, it will be fixed







## Database Tables

1. Click “Database Tables” tab in “Configuration” Screen
2. Table Counts displays number of entries in database table

Link Admin Utility

Alarms  
Email Settings  
Email to SMS  
Reporting Service  
Backup  
Services  
Configuration  
License

Link Security Database Repair Database Tables

Table Counts

0 Reports	Clear
0 Imports	Clear
0 Exports	Clear
0 Comm Stats	Clear
0 Downloads	Clear
0 Import Histories	Clear

Recount

3. Click “Clear” button to remove certain types of entries in database table

3 Reports

Clear

4. Click “Recount” button to reload entry counts in database table

0 Downloads

Clear

0 Import Histories

Clear

Recount

5. Click “Clear” button to clear “Config Updating Flag”

Config Updating Flag

Clear



## Link Remote Client Setup

For installations that require Link Clients on other computer(s), the Link Server must be enabled to allow client connections other than local only. This scenario also requires the user mode to be “Legacy” as the Link Client(s) need to be configured to connect with the Link Server.

1. Close all Link Clients
2. Go to the ‘Configuration’ tabs

Link Admin Utility

Alarms  
Email Settings  
Email to SMS  
Reporting Service  
Backup  
Services  
Configuration

Link Database Repair Database Tables

Edition

☒ Standard  
☐ Service

User Mode

☐ Simple  
☒ Legacy

Client Connection

☐ Local host only

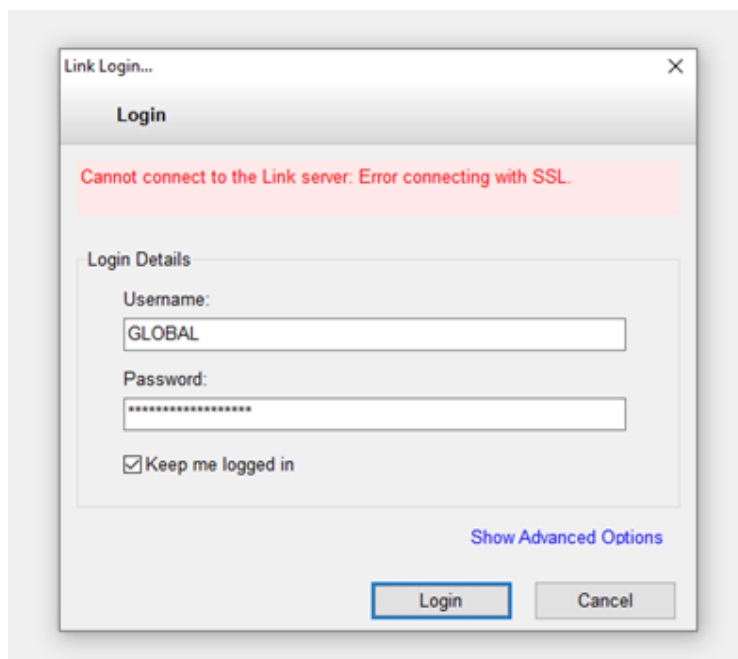
3. Set User Mode to “Legacy”
4. Untick “Local host only” under “Client Connection”
5. Click “Save”, changes will be actioned once all services have restarted
6. Modify Windows Firewall to allow incoming connections on TCP port 14000 (see Microsoft Windows Firewall documentation)

To setup a computer to use Link Client only, run the Link Setup and select Link Client only installation. By default Link Client is configured to connect to localhost and the following steps outline how to configure Link Client to connect to Link Server on a different computer.

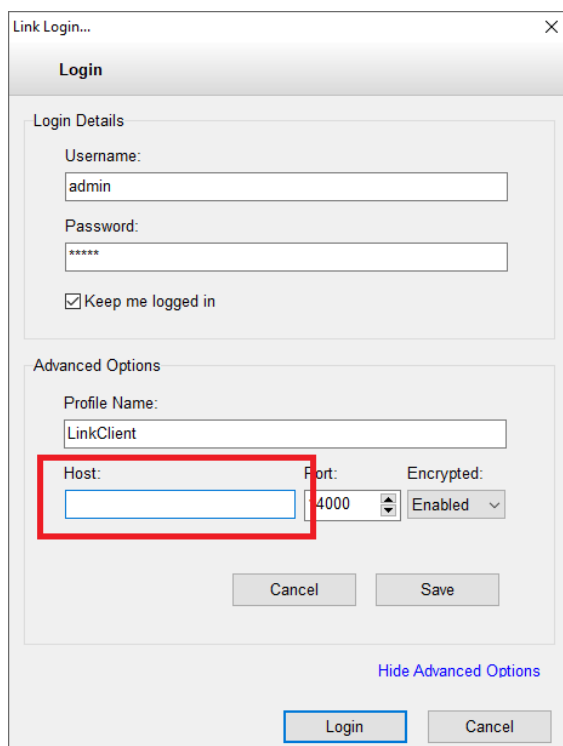


## Configuring a Remote Link Client

1. Run Link Client and it will fail to connect, see below



2. Change the “Username” to *admin* and the “Password” to *ADMIN*. Then Click on “Show Advanced Options” and click “Edit”, then set the “Host” IP address. This is the IP address of the computer/server running the Link Server software



3. Click “Save” and “Login”



## Enable Link Client domain security group authentication Active Directory

Link v5.0.1+ and newer support the ability to allow Active Directory domain users to authenticate and logon to the Link 5 client/server.

1. On the Configuraton tab, click onto the Security tab.

Here you will see the option to allow for Active Directory integration:

The screenshot shows the 'Link Admin Utility' window with the 'Security' tab selected. The left sidebar contains a menu with 'Alarms', 'Email Settings', 'Email to SMS', 'Reporting Service', 'Backup', 'Services', 'Configuration' (highlighted), and 'License'. The main content area has tabs for 'Link', 'Security', 'Database Repair', and 'Database Tables'. Under the 'Domain Group' section, the checkbox 'Enable Link Client domain security group authentication (Active Directory)' is checked. Below this are input fields for 'Domain:' and 'Group:', with a 'Search' button next to the 'Group:' field. The 'Database Credentials' section below has a 'Password:' field with masked characters (\*\*\*\*\*).

2. Place a tick in the box to Enable the option.
3. Enter in your Domain name, e.g. Business-corp.local
4. Specify the Group, or click Search to browse the domain.
5. Then click Save.

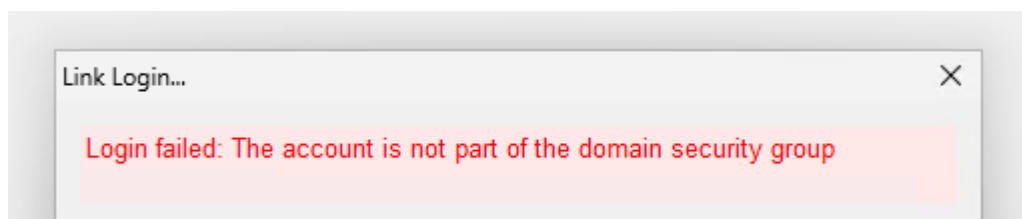
Once the services have restarted, only permitted users in the Active Directory domain will be able to connect to the Link 5 server.



## Errors relating to Active Directory

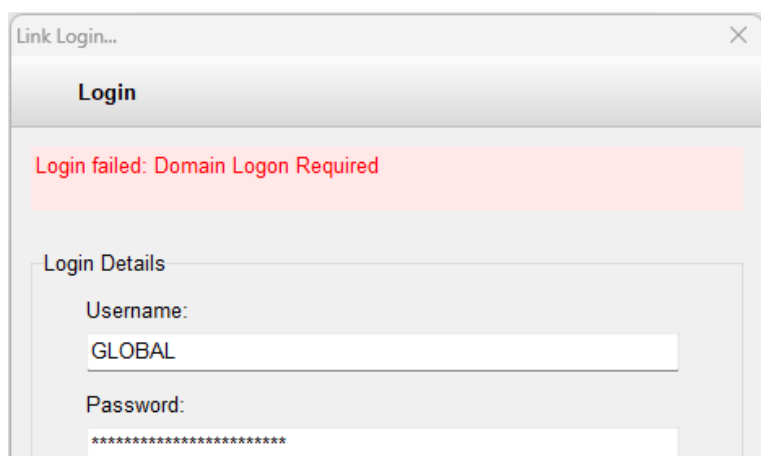
Attempting to run Link on a user account that is not joined to the domain will return the error:

“Logon failed: The account is not part of the domain security group”



The solution is to use a user account on the Windows client that is a member of the Active Directory domain that the Link 5 client has joined.

Attempting to connect to an Active Directory enabled Link 5 server without a domain account will return the error: “Logon failed: Domain Logon Required”





## Changing Firebird Database Credentials

On Link v5.0.1+ and newer, you have the ability to change the password of the underlying Firebird database.

The screenshot shows the 'Link Admin Utility' window. On the left is a sidebar menu with options: Alarms, Email Settings, Email to SMS, Reporting Service, Backup, Services, Configuration (highlighted), and License. The main area has four tabs: Link, Security, Database Repair, and Database Tables. The 'Security' tab is active, showing a 'Domain Group' section with a checkbox for 'Enable Link Client domain security group authentication (Active Directory)', and input fields for 'Domain:' and 'Group:' with a 'Search' button. Below this is the 'Database Credentials' section, which is highlighted with a red rectangle. It contains a 'Password:' label and a text input field with asterisks, indicating a masked password.

1. Click onto the Configuration tab
2. Enter in a new password and click Save.



## Activating License for Link 5 Lithium Strings/Systems

1. Go to the License tab

Here you will see the following:

The screenshot shows the 'Link Admin Utility' window with the 'License' tab selected in the left sidebar. The main content area is divided into two sections: 'License Details' and 'License Process'. In the 'License Details' section, there is a 'Product Key' field containing a masked key 'XXXXXXXXXX', a 'License Code' field, and a 'Validate' button. The 'Status' is displayed as 'Invalid' with a red error icon. The 'License Process' section contains three numbered steps: 1) Copy Product Key from above and email it to support@powershield.com; 2) Once you have received an reply email with a license code, copy the license code in to the field above, click Validate, then click Save.; 3) Status should change to "Activated for n strings". At the bottom of the window are 'Save' and 'Close' buttons.

Link Admin Utility

Alarms  
Email Settings  
Email to SMS  
Reporting Service  
Backup  
Services  
Configuration  
**License**

License Details

Product Key: XXXXXXXXXXXX

License Code:

Validate

Status: ❌ Invalid

License Process

1) Copy Product Key from above and email it to support@powershield.com

2) Once you have received an reply email with a license code, copy the license code in to the field above, click Validate, then click Save.

3) Status should change to "Activated for n strings"

Save Close

2. Send your Product Key to [support@powershield.com](mailto:support@powershield.com)
3. When you receive your License Code, enter it into the field and click Validate.
4. Click Save
5. Once validated, the status should return "Activated for n strings"



## Enable Controller Certificate Validation for SSL

This enables Link to connect to PowerShield8 Controllers using SSL when the Controller has HTTPS enabled.

On the Configuration tab of the Admin Utility, you will find the below option:

The screenshot shows the 'Link Admin Utility' interface. On the left is a sidebar menu with options: Alarms, Email Settings, Email to SMS, Reporting Service, Backup, Services, Configuration (highlighted), and License. The main area has tabs: Link, Security, Database Repair, and Database Tables. Under the 'Security' tab, there are sections for 'Domain Group' (with an unchecked checkbox for 'Enable Link Client domain security group authentication (Active Directory)', 'Domain:' and 'Group:' text boxes, and a 'Search' button) and 'Database Credentials' (with a 'Password:' text box containing asterisks). A red rectangle highlights the 'Controller Certificate Validation' section, which contains a checked checkbox and the text 'Enabled'.

Tick the box for enabled to enable SSL for HTTPS communication between Link and the Controller, then click Save to apply the changes.