

dcTrack® Version 8.2.1

These release notes contain important information regarding the release of this product, so please read them carefully. We recommend that you read the entire document and upgrade to this release.

Important Notices

Compatibility

If you are currently using both dcTrack and Power IQ, please note that dcTrack version 8.2.1 is not compatible with Power IQ versions earlier than 7.2.0. If you are using an earlier version of Power IQ, you should upgrade to at least version 7.2.0 prior to upgrading your dcTrack to version 8.2.1.

Back Up Your System Before You Upgrade!

Ensure redundancy, recover from human error, and safeguard your dcTrack configuration and data with frequent backups!

Before you upgrade, **we strongly recommend that you generate a backup of your dcTrack system configuration** and save it to another device, such as your hard drive. We also strongly recommend that you set up remote storage for backup files to automatically push all daily backups to a remote storage location. For more information, see [Data Backups](#) in the dcTrack online documentation.

Security Enhancements

This upgrade addresses several security vulnerabilities identified by the National Institute of Standards and Technology (NIST). For additional information on the on the specific issues addressed by this fix please refer to the following articles on the NIST website.

<https://nvd.nist.gov/vuln/detail/CVE-2020-8159>
<https://nvd.nist.gov/vuln/detail/CVE-2020-13956>
<https://nvd.nist.gov/vuln/detail/CVE-2022-22970>
<https://nvd.nist.gov/vuln/detail/CVE-2022-22978>
<https://nvd.nist.gov/vuln/detail/CVE-2022-24790>

Applicability

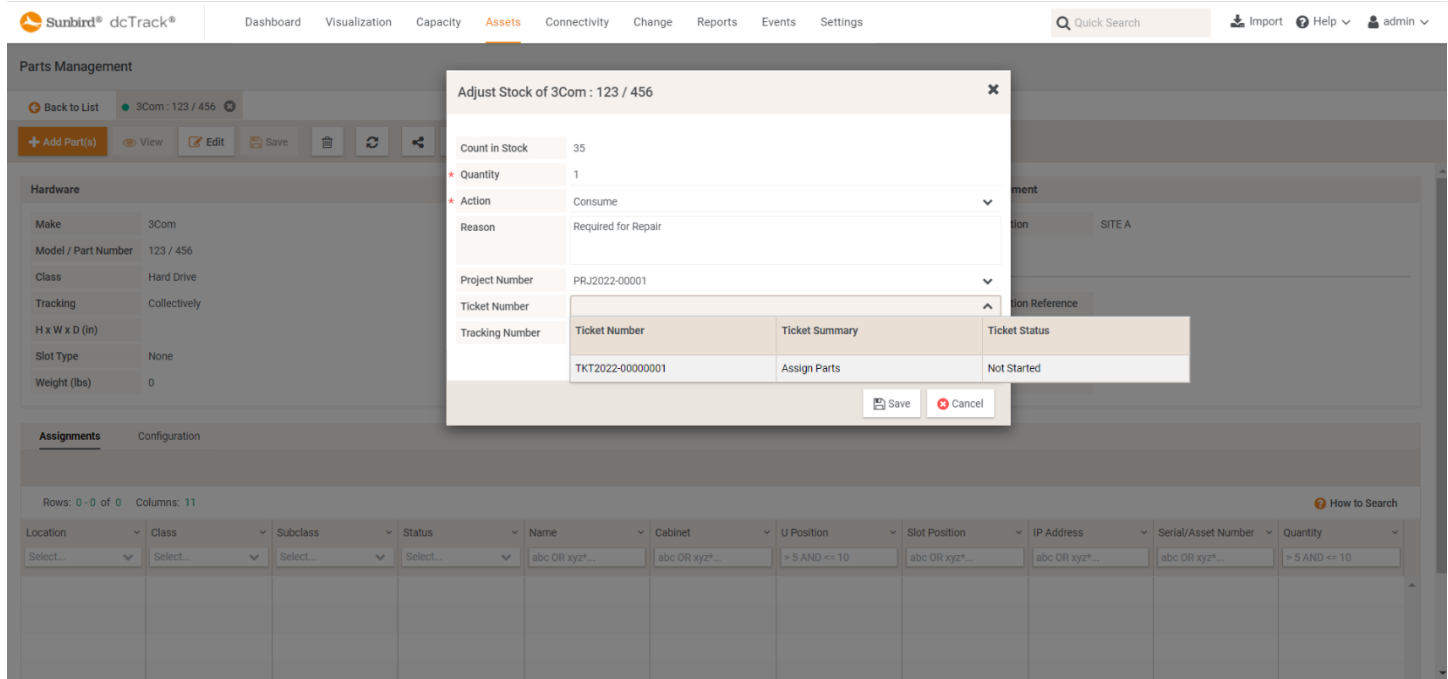
This software release is applicable for both the virtual appliance and the hardware appliance. Please see the note above about who should not upgrade to this release.

New Features and Enhancements

The following feature enhancements are delivered in the dcTrack 8.2.1 release:

Ticket Number Support in Parts

dcTrack 8.2.1 contains an enhancement to the Adjust Stock and Transfer Stock features to include the option to link these transactions to Tickets. The Ticket Number selected must be a Ticket on file in dcTrack. Additionally, if a Project Number is specified in the transaction, the selected Ticket Number must be linked to the specified Project. Parts Transactions have also been enhanced to include the Ticket Number whenever it is specified.



ODBC

The 8.2.1 version of the dcPartTransactions view has been enhanced to include the new Ticket Number ("TicketNumber") field.

Bug Fixes and Customer-Requested Enhancements over Release 8.2.0

dcTrack 8.2.1 provides the following bug fixes and customer-requested enhancements over Release 8.2.0:

Ticket Number	Issue Number	Summary
36920	DCT-43544	User defined views run very slowly when filter criteria includes pick lists with many values
37854	DCT-46278	Suspended cabinets do not reliably render when the display units is metric
38626	DCT-45081	Remote backups do not work via sftp if the remote backup server is a windows box running cygwin

39451	DCT-46575	Tap boxes do not render correctly in horizontal busways
39469	DCT-46012	Unable to get power connections for PDU item via API when its connected item is moved to different location
39517	DCT-46509	Explicit permissions are causing inability to create Free Standing Devices
39706	DCT-46112	Restoring 8.0.0 backup with many project number values took 6 hours on an 8.1.2 system
39809 40155	DCT-46222	Cannot quick edit redundancy for a cooling zone or set UPS bank redundancy to greater than N
39973	DCT-46356	Incorrect required SNMP credential fields for PDUs
40181	DCT-46698	Issue with the state being included in the request payload when adding a location via the public REST API
40236	DCT-46391	Opening an item from a list of quick search results does not work as expected
40426	DCT-46987	Sensors values are not read from Power IQ if the sensor indexes are out of order
40477	DCT-46815	Cloning is failing when serial number is a required field
40550	DCT-46789	System exception when trying to edit items via import which have same name as other archived assets
40570	DCT-46457	UI display of install date is off by one day
40603	DCT-46924	Quick search API does not return the correct when times are specified as part of a date filter
40635	DCT-46910	Actual Readings API returns data for child ports
40694	DCT-46982	Export and import of power ports should not include redundancy, which is an item attribute
40829	DCT-47097	Drag and drop quick move does not work properly in some cases
40901	DCT-47035	Cannot edit Location fields when Can Contain Assets is false but there is a Cooling Zone in the datacenter
41028	DCT-47312	Show all available ports by default when creating a connection
41204	DCT-47408	Parts models without slot type are not showing in ODBC view dcPartModels
	DCT-45853	Cables of suspended cabinets are displayed at the wrong elevation in the visualization
	DCT-47243	Actual readings API is not updating the breaker port when child port readings are updated

Important Notes

The minimum hardware specifications for the Client Workstation have been updated as follows for dcTrack 8.1 and above:

- Processor Core I5 2.6G with 4+ cores
- 8GB RAM
- Graphics Card with minimum 2GB RAM and support at least 1280 x 960 resolution
- For viewing the 3D Visualization, the client workstation should have at least 16GB of RAM

Additional Comments

The table below provides helpful information on issues related to dcTrack Release 8.2.1 and above:

Issue	Comments
Saving an Item with SNMP3 enabled	Users may receive the message "SNMP V3 Authorization Level is invalid" when saving an Item with SNMP3 enabled even if the settings have not changed. To correct the problem, select a different Authorization Level from the dropdown then select the original option again and the record will successfully save.
Importing Busways	Busway Outlets can no longer be created when importing Busway Breakers. The Power Outlet column in the file must refer to an existing column. Additionally, when creating Power Outlets for Busways, the Busway column is required. As a result, the Busway must be created prior to importing their Power Outlets.
The url for external links <code>https://<dcTrackIPAddress>/link/search/{fieldname}/{value}</code> has been deprecated.	The new format is: <code>https://<dcTrackIPAddress>/link/search/items?field=XXX&value=YYY</code>
HA Email configuration is initially disabled.	To enable the configuration: Toggle the "Enable High Availability" check box checked > unchecked > checked.
dcTrack in Multiple tabs	If you have dcTrack open in multiple tabs, closing one or more of those tabs may cause your session to end in all the remaining open tabs.
ODBC access may require new drivers	The version of the database has been upgraded from PostgreSQL 9.6 to PostgreSQL 12.1. Customers who access the database via ODBC may need to update the database drivers used.
Import over 100k rows	Importing files in excel format having more than 100K rows may cause an issue and import will fail. Use csv format when importing files over 100k rows.

ODBC Query Timeout

To change the ODBC Query Timeout setting, you must restart the dcTrack appliance. Otherwise, the setting will remain unchanged until the next time the dcTrack appliance is restarted.

Rendering 3D Floor Maps on a Mobile Device

The mobile browser may fail to load the 3D Visualization. To get around this issue, from a desktop browser, set the Contents Selector in the 3D Settings tab under the Floor Map Settings section to Auto rather than Always. This setting will only affect your user account.

Alternatively, you may login to dcTrack by requesting the Visualization directly by typing this URL into your mobile browser: <dctrack hostname>/dcim/#/visualization

API Move Requests on Cabinets

When using API move requests on cabinets and manipulating the rows of the original item or the ^^when_moved item, there may be a leftover system row with a name ending in ^^MOV after completing the move. This is a known issue, and the row can be safely deleted.

Where to Find the Software Files and Obtain Help

- Find Software: <https://support.sunbirddcim.com/>
- Get Help: tech@sunbirddcim.com
- Sign Up for a Maintenance Contract: Contact your reseller or sales@sunbirddcim.com

Hardware Compatibility

- Raritan E2
- Dell R640
- Dell R740
- Dell R840

Browser Compatibility

- Google Chrome Version 103.0.5060.114 (Official Build) (64-bit)
- Firefox version 102.0.1 (64-bit)
- Apple Safari Version 15.5 (17613.2.7.1.8)
- Microsoft Edge Version 103.0.1264.49 (Official build) (64-bit)
- Chrome on Mac Version 103.0.5060.114 (Official Build) (64-bit)

Power IQ Compatibility

Versions 8.0.0, 8.0.1, 8.0.2, 8.0.3, 8.1.0, 8.1.1, 8.1.2

About

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