

dcTrack® 9.3.0 Release Notes

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

Back Up Your System Before You Upgrade

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 [Manually Back Up Your dcTrack Database](#) in the dcTrack online help.

Applicability

This software release is applicable to dcTrack installations on VMware, Hyper-V, Linux KVM, Nutanix, AWS and Dell R640/740/840/R650/750/850 hardware.

Note: When you are upgrading a dcTrack system that is integrated with other systems (including Power IQ), disable the integration before beginning the upgrade, then re-enable the integrations after the upgrade.

Upgrade Path

1. If you are on 9.0.2, 9.1.x or 9.2.x you can upgrade with the bin file via the GUI or by ISO installation (using backup/restore)
2. If you are on 8.0.0 up to 9.0.1, you must upgrade first to 9.0.2 and then you can upgrade with the bin file via the GUI or by ISO installation (using backup/restore).
3. If you are running dcTrack 7.2.1 or prior, you must upgrade first to 9.0.2 by ISO installation (using backup/restore)

Security Enhancements

dcTrack 9.3.0 includes the following security improvements:

- Improvement to the Content-Security-Policy: The appliance now sets the form-action directive to 'self'. See more details on https://www.sunbirdcim.com/help/dcTrack/v930/en/Default.htm#dcTrack/Dynamic_Content-Security-Policy.htm
- Open VM Tools installed onto VMware installations has been updated to the latest release
- Remote backup servers can use SHA-2 host public keys
- diffie-hellman-group-exchange-sha1 was removed from the supported key exchange algorithms
- Local User Password improvements
 - Supports password lengths up to 64 characters
 - Stores passwords using a hashing algorithm that meets NIST standards

This upgrade addresses several security vulnerabilities identified by the National Institute of Standards and Technology (NIST). For additional information 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-2025-41244>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-24813>
- <https://nvd.nist.gov/vuln/detail/CVE-2024-38821>
- <https://nvd.nist.gov/vuln/detail/CVE-2021-37136>
- <https://nvd.nist.gov/vuln/detail/CVE-2021-37137>

Changes in Release 9.3.0

Enhanced Location Hierarchy

dcTrack 9.3.0 adds the ability to create 4 optional levels above the current Data Center level. Out-of-the-box the levels will be called Region > Country > Territory > City > Building > Floor > Room > Pod > Row. The feature allows these level types to be customized to fit the customer's environment and use cases for a location hierarchy. The existing Data Center level has been renamed to Building, but it can be restored to Data Center if that is the preferred nomenclature. Similarly, the existing Aisle level is called Pod and it can be renamed to anything. Floor and Row levels cannot be renamed.

This feature allows customers with a large number of locations to organize their locations under one or more levels. This also facilitates easier filtering and reporting to select a higher level in order to select several Buildings.

Furthermore, permissions can now be assigned at new levels such that the permissions get inherited by all locations within that branch, making it much easier to manage permissions for multiple locations.

dcTrack and Power IQ Integration Outside the Cabinet

dcTrack 9.3.0 now allows the user to integrate items such as Floor PDUs, their panels and Branch Circuit Breakers, Floor UPS, DC Plants, DC Bays, and Power Panels with Power IQ. This requires that these items can be added to Power IQ, which typically would require Dynamic Plugins for most equipment of this type.

This feature also makes some enhancements to the integration such as pulling Serial Number and MAC Address from integrated items in Power IQ.

Another improvement is when an item is added to dcTrack with its IP address and this item happens to already exist in Power IQ, it will now get integrated. Previously, an error was given that the item already exists, and you must manually map it.

dcTrack Dashboard Power Charts Improvements

The existing Power Trend Chart has been renamed to “Cabinets Power Trend Chart”. It has also been enhanced to allow charting of 3-phase Rack PDUs such that Voltage, Current and Residual Current can all be charted on a per phase (or pole) basis.

A new chart is also added to the Power Dashboard called “Facilities Power Trend Chart”. This chart is similar to the Cabinets Power Trend Chart, but it focuses on charting measurements from integrated facility items such as Floor PDUs, Floor UPS, Power Panels, etc..

dcTrack and Power IQ Custom Field Integration

dcTrack 9.3.0 when integrated with Power IQ will automatically retrieve the two Custom Fields that can be defined on Power IQ's Data Center, Facility Item (“PDU”) and IT Device objects. These fields will be mapped to automatically created custom fields. The administrator can manage the mapping and redirect them to a different dcTrack Custom Field.

For Power IQ Data Center objects, all its standard fields will also be automatically mapped to dcTrack Custom Fields. These can be viewed in dcTrack when opening a Location that is a Building/Data Center and navigating to the Subtab called “Ratings and Contacts”

Role-Based Access Control for Standard Fields

dcTrack 9.3.0 enables you to set permissions on Standard fields to protect certain fields from specific users. This feature will not hide the field based on permission but will make the field read only to the users or user groups you specify while remaining editable to other users or user groups.

24V Support for DC power chain

dcTrack 9.3.0 adds support for 24 Volts DC Power Chain. Previously only -48V power chains were possible.

Plant items were also enhanced with two new standard fields: Engineering Capacity and Float Voltage.

Allow “not equal” operator in text filters of any List

dcTrack 9.3. enables a “not equals” filter for text-based column filters for any list. To use it, enter “not” followed by the string you want to exclude from your search. You can use double quotes around the string to do exact string exclusion. You can also use the OR operator to exclude additional strings.

Example: [Not Server1] in the item Name column will return all items whose name does not include the text “server1”. This means a server named “Server1” as well as a server named “Server12” will be excluded. To exclude Server1, enter [Not “Server1”]. To exclude any item that contains Server1 and Device1 you enter [Not Server1 or device1].

MPO Port Mirroring

In dcTrack 9.3.0 you can create Port Mirroring between a panel that uses MPO connectors (port with multiple channels) and non-MPO (single-channel ports).

Support for Data Panel Cassettes as an Item with Blade-style Mounting

dcTrack 9.3.0 subdivides the Data Panel class into three subclasses. All existing Data Panel class items will automatically be assigned to the new subclass “Patch Panel”. The other two subclasses are Cassette and their “chassis” item “Patch Enclosure”. Cassettes will behave exactly like blades while the Patch Enclosure will behave exactly like a Chassis.

Furthermore, the Data Ports subtab was enhanced to show the ports of all sibling or parent items for both Blades and Cassette subclass items. This allows the user to work with the ports of all blades in a chassis or all cassettes in a Patch Enclosure in one place.

To organize the ports within this consolidated view, the ports will be automatically grouped by the item name in a collapsable view. The user can also group the ports by some other columns such as Color.

Visualize Sensors Outside Cabinets

dcTrack 9.3.0 adds a feature to the Floor Map Edit Mode where a user can set the placement of Environmental sensors inside and outside cabinets. Sensors outside cabinets can be set at the desired elevation above or below the raised floor. These sensors will be tracked via the coordinates of the floor map that are based on the Grid Marker and the floor map grid labeling scheme.

Additionally, Temperature and Humidity sensors placed outside the cabinet can be used to run a Floor Map report using the “Temperature In Room” and “Relative Humidity In Room” reports.

View Health Icon on Right-Click Menu of the World Map

This feature is activated when you click the Health button in the World Map and the Building pins on the map turn green, yellow or red. For Pins that represent a Building Location with Descendants (Floors or Rooms), we display the names of the descendants that contain assets. This feature will add a green, yellow or red icon to each descendant so that the user can learn which floor or room has a warning or critical event and can quickly navigate to the appropriate floor map for further investigation.

OAuth2 Support for ServiceNow and UCG2 Integrations

dcTrack 9.3.0 provides OAuth2 support when connecting to ServiceNow or other external systems using the Universal Connector G2. Whether the connector is for assets or ticketing integrations, OAuth2 is now supported.

OAuth2 Support for dcTrack REST APIs

dcTrack 9.3.0 provides OAuth2 support for dcTrack REST APIs. This means when making API calls to dcTrack, OAuth2 can be used for authentication in addition to Basic Auth. This authentication is enabled for specific user accounts that are assigned the OAuth2 API Access role.

Note, that this role is required to be assigned to an administrator role user and it is not implicitly inherited.

Deploy dcTrack on a Nutanix Hypervisor

dcTrack 9.3 supports a Nutanix native install with Nutanix Guest Tools (NGT) enabled. For more information on NGT capabilities, see [this Nutanix KB article](#).

Backup File Name Includes A Timestamp

In dcTrack 9.3.0 a timestamp is included in the file name to help you differentiate your backup files. The format is dcTrack-backup-<product_version>-<yyyymmdd><hhmmss>_<offset>.dat

This timestamp is based on the application time, not the system time.

Deprecation notice: ODBC column removed

The CRACGroupItemID column was deprecated in dcTrack 9.1 and was removed in version 9.3.0. Use “dcCoolingUnitsToZones” instead. See the online documentation for more details.

Deprecation notice: Some custom widgets must be updated before the next major release (likely named dcTrack 9.4.0)

An internal database view was renamed in dcTrack 9.3.0. Custom Widgets that use the old name will continue to work in dcTrack 9.3.0 to give you time to update these widgets. If you use any of the following custom widgets, you must update your custom widget before upgrading to dcTrack 9.4.0:

- Free Rack Units and Free Rack PDU Outlet Trend per Cabinet
- Current and Previous RU and Power Usage per Customer
- Historical Item Counts vs Active Power
- Historical Item Counts by Class and Subclass
- Free Rack Units Trend By Cabinet Group
- Free U Space Trend Per Location
- Percent of Free Rack Units Trend
- Power Chain Items by Building

These custom widgets must be updated anytime after upgrading to dcTrack 9.3.0, but before upgrading to dcTrack 9.4.0. The updated widgets are available via the [Sunbird Add-ons site](#). When downloading these widgets from the Addons site, ensure that the widget specifically states that it supports the 9.3.0 release.

Customer-Requested Enhancements

Release 9.3.0 includes the following customer requested enhancements.

Ticket Number	Issue Number	Summary
22476	DCT-28618	Enhance dcTrack and Power IQ integration for floor PDUs and tap boxes
24627	DCT-62243	Remove chronological date validation when updating assets
36381	DCT-42993	Allow bulk update of the model alias field via import
37947	DCT-46053	dcTrack enterprise location hierarchy levels should align with Power IQ levels and gracefully handle changes
41216	DCT-47422	Role-based access control (read-only or read/write) for standard fields
42557	DCT-50296	Allow users to control if panel branch breaker's amps are derated
43415, 62022	DCT-49303	Enhanced location hierarchy - add four new levels above building (data center)
44266	DCT-50147	Allow aisle level to be called what the customer wants such as cage or pod

49715	DCT-55299	Create a Quick Start Guide for AWS for dcTrack
51384	DCT-56437	Changed backup filename to include the timezone (application time zone)
51623, 66372	DCT-56706	Allow 'not equal' operator in text filters
52848	DCT-57507	Display room health on the right-click menu of the world map
5553	DCT-13110	Support cassettes as items with blade-style mounting
56957	DCT-60595	Color-code ranking for rack PDU outlets by phase and breaker load
57732	DCT-61265	Permission to lock down Identity section
59643	DCT-62701	Handle view-only fields more gracefully during import
59784	DCT-40036	Support OAuth2 for the ServiceNow asset and ticketing connector
60140	DCT-63255	Enhance dcTrack and Power IQ integration for floor PDUs and UPSs
61095	DCT-63791	Include 3 phase measurements in the Power Trend chart
61106	DCT-63785	Support KWH average for charting Power Panel or floor PDU
62093	DCT-64838	Add support for 100V power supply ports on devices
62961	DCT-65473	Enhance dcTrack and Power IQ integration for DC distribution bays
64279	DCT-66920	Add Croughton, Czechia, Republic of North Macedonia, and Granada to list of countries
65072	DCT-67405	Ability to hide the "Proposed" text on planned items in cabinet elevation
66444	DCT-68751	Increase the size of the port inspector icon
66683	DCT-69186	Stop non-intelligent rack PDUs from creating alerts
66928	DCT-69127	Sync PDU alias and populate PDU name in dcTrack from Power IQ
67266	DCT-69550	Update the fan icon used on the cooling dashboard
67672	DCT-69831	Add examples for the Rack PDU-Rackable object to the import template
67858	DCT-70338	Allow creating structured cabling between MPO and non-MPO ports
68464	DCT-70724	Enhance 3D visualization accuracy for free standing devices
68751	DCT-72494	Add item_type column to dcAllItemsBasics
69065	DCT-71331	Automatically refresh readings while viewing visualization temperature and humidity reports
69243	DCT-72241	Allow converting watts to kW on a gauge chart
70012	DCT-71872	Allow updating the make for in-use parts
70204	DCT-71871	Change rounding behavior for room dimensions

70489	DCT-72170	Enhance location hierarchy - The type shown in the UI for hierarchy levels should be customizable (except floor and row)
70999	DCT-72512	Add support for RSA client authentication with SHA-2 for remote backups
71864	DCT-73966	Enhance the power trend chart to allow charting of the poles for both current and residual current
73430	DCT-72734	Support Nutanix as a hypervisor
	DCT-18664	Delete a parameter's association with a widget on file upload
	DCT-24349	Support 24 volts for the DC power chain
	DCT-36693	Provide APIs to allow incremental insert/update/delete of pick list choices
	DCT-43277	Enhanced location hierarchy - 4 new levels above building (data center) and sync between dcTrack and Power IQ
	DCT-60858	Add Plant Capacity field and validate plant panels against it
	DCT-65616	Allow local account passwords to be up to 64 characters
	DCT-72622	Support for custom tables in ServiceNow
	DCT-75285	Add a built-in XML editor with code highlighting and folding

Bug Fixes

Release 9.3.0 includes the following bug fixes over Release 9.2.4:

Ticket Number	Issue Number	Summary
55858	DCT-60012	Cleanup audit logs more often to prevent disk space issues in the ocular partition
58591	DCT-62170	Fix repeated reviewer names in Work Order notifications
58884	DCT-72180	Item audit trail inconsistently captures location name or location code
59941	DCT-71900	The circuit trace does not show custom colors for a custom cord/adaptor
60173, 61002	DCT-63324	The public models API should include make and model aliases, as well as information about any auto power budget policies
61442	DCT-64257	Licenses Remaining widget not showing maximum licenses
62774	DCT-65953	Add images for config account in the dcTrack installation guide
62910	DCT-69767	Cannot change the model of a planned cabinet without using advanced model search

63626	DCT-70399	Fixed height error when saving cloned models in metric units
64468	DCT-70437	Y-axis is locked and not functional when viewing a line chart
65580	DCT-69499	Enhance documentation about how port names are created by the system for structured cabling
65583	DCT-67616	Visualization location search issue
65836	DCT-68848	Cannot select Passive class when adding a pick list choice for Type and Function
65979	DCT-68415	Test Connection button in Asset & CMDB Integration provides incorrect results for http (not https) URLs
66259	DCT-69061	Unintegration of the physical host does not make vmware fields editable
66272	DCT-68785	When bulk placing subsets of ports, only the latest subset of ports is saved and the earlier ones become unplaced
66331	DCT-70652	Radial gauge charts are not included when emailed from dashboards
66498	DCT-70780	Error updating custom fields on project via API
66646	DCT-72074	The last entered cable number is duplicated across all selected ports when making multiple connections at once
66659	DCT-69219	Custom field saves are synchronized and new updates are queued while another save is in progress
66666	DCT-69128	Floor Maps button from asset details does not isolate the item when it is in a room or floor
66806	DCT-70689	Item quicksearch includes 6 unsupported fields if no value is specified for "selectedColumns"
66847, 74481	DCT-69880	VMware inventory sync timing out due to inefficient multiple data retrieval calls
67125, 69019	DCT-70732	Elevation view does not show values for custom fields
67214	DCT-69340	Make sure server side code is logging the part number when logging any information about a model
67397	DCT-69423	Asset audit tool adding incorrect audit remark when scanning assets in storage status
67540	DCT-69603	Cloning an item does not record the model in the audit trail
67542	DCT-70690	Update readings not working as expected for integrated Rack UPS
67717	DCT-69829	Tomcat vulnerable to CVE-2025-24813
67764	DCT-69860	User with item level permission to a cabinet does not see anything on the world map
67851, 69996	DCT-70434	Model images for floor PDUs and IRCs in the dcTrack Visualization tab appear only after a manual page refresh
67985	DCT-70054	On the world map, the hottest rack temperature value is displayed with too many decimal places

68151	DCT-73676	Progress bar may hang when applying audit results after adding an item during the audit
68156	DCT-70777	Exception when exporting assets on a system that is integrated with service now
68243	DCT-70488	Bulk edit API call for asset audit should only include valid values for "radioCabinetSide"
68276	DCT-70271	Connectivity drawing is not rendered in the floor map when an MPO port connects to a different item
68320	DCT-70646	Fixed request completion errors caused by long project numbers
68340	DCT-70775	Prevent missing data port issue after QuickMove requests
68375	DCT-70846	"Hosts and VMs Per Cluster" widget drill down details grid includes all standard devices in planned, installed, or powered-off status regardless of whether the "is vm host" property is true
68480	DCT-70392	Dashboard Widget drill-down not working if pre-filter is not set
68721	DCT-70943	Remove the use of the bootstrap library on the login page
68723	DCT-70931	Saved View filters on the Assets Grid do not restore hierarchical location filters after a refresh or re-login
68774	DCT-70790	Text-based search not working as expected for requests and work orders
68850	DCT-70877	Export into import template fails with divide by zero error in some cases when the data is filtered
68855	DCT-71187	Floor PDU object is not syncing correctly in floor map
68861	DCT-70881	Unable to match make by using make alias via import template
68875	DCT-71990	Update LDAP to SAML application note to fix broken link and refresh outdated screenshots
68920, 68942	DCT-70781	Cannot update humidity and temperature sensors with the same name on the same PDU using import
68923	DCT-70912	CMDB updates for VM hosts failed due to integration conflicts and permission issues
68973	DCT-71062	Improve documentation for how floor plans are synchronized between dcTrack and Power IQ
68983	DCT-72085	Update dcTrack Reinstall and Upgrade Guide to fix broken link and misaligned headers
68986	DCT-72014	Update broken links in dcTrack Quick Setup Guide
68986	DCT-72015	Update outdated images & broken links in dcTrack VMware Setup Guide
68987	DCT-71988	Update outdated images in Ticketing Connector User Guide
68988	DCT-71325	Change https://tile.sunbirdcim.com from a link to text in the Sunbird Tile Server documentation

69010	DCT-70915	Unable to view green arrows indicating active asset in cabinet inspector
69046	DCT-70911	Fix 3D sensor visualization so contact closure sensors are hidden and other subclass sensors show n/a instead of undefined or -1
69057	DCT-70932	Audit trail is missing entries when the u-position is cleared because the cabinet model was shortened
69112	DCT-71385	Floormaps uses a cache which may need to be cleared on upgrade
69172	DCT-71041	Export of branch circuit breakers fails with an [object Object] error
69200, 69829	DCT-71315	Clear records in the connection edits table when a request is cancelled
69270	DCT-71108	Update caption on the Budget Power Capacity widget to explain what the needle and the end capacity are
69289	DCT-71137	Profile default location not working in visualization
69292, 69525	DCT-71111	Sensor trend chart shows two measure parameters
69301	DCT-71133	Location cannot be deleted when it is part of a hierarchical floor map
69378	DCT-71752	Requests are not completing even when request bypass is turned on
69421, 74257	DCT-71217	SQL grid widgets with names longer than 32 characters do not export into excel format
69467	DCT-72163	Unable to change the status of an installed cabinet to planned when the cabinet contains a probe
69503, 69531, 68341	DCT-71351	Cannot load floor maps when switching between rooms with the same name in different locations
69507	DCT-71370	Include audit custom fields by default in the item list to avoid scan date checks failing and items appearing unscanned
69558	DCT-71365	Update documentation to clarify that PDU voltage and phase cannot be changed via import
69698, 71095	DCT-72109	Cabinets added to the DWG are rendered at incorrect scale, appearing smaller than their actual size
69738	DCT-71719	Upgrade failure due to old MLU files not being deleted from the system
69927	DCT-72131	Utility feeds are counted as a cabinet for licensing purposes
69928	DCT-72385	Airflow tiles shift off-center with distance from the dcTrackGridMarker due to VSDX parsing
69935	DCT-71867	Background tasks ("In events") are not being processed in a timely fashion
69941	DCT-71904	Update outdated images in Sunbird Online Help
69947	DCT-71702	Bulk Scan is not using correct format in API for single-select custom field

70047	DCT-71726	Make sure that documentation of the SAML configuration page is clear for both dcTrack and Power IQ
70060	DCT-71751	Model Library Audit Trail does not show which user updated the ports
70189	DCT-71992	Power connections are not deleted after moving an asset
70208	DCT-72408	Custom Field parameter on Power Trend Chart not showing custom fields
70235	DCT-71926	Ambiguity in asset management filter: "VM Manager Integration Field" displayed as "VM Manager"
70251	DCT-72041	Exclude OU cabinets from the location's cabinet count
70295	DCT-71968	Update the User Guide by replacing visuals with the latest screenshots under "View a Location's Health Floor Map"
70315	DCT-72129	Objects not appearing in overhead racks
70341	DCT-72012	History Power Usage Effectiveness chart shows the same output for the last month and the past month
70346	DCT-72051	Visualization does not display the second line when a custom field is selected under Cabinets in Configure
70368	DCT-72239	Secondary can only be configured by IP address, using hostname is failing
70484	DCT-72177	Changes to the drawing units on a hierarchical floorplan is not automatically pushed to children locations
70507	DCT-72440	A change to the breaker state changes the name of the whip outlet back to the default
70520	DCT-72134	Update VMware Quick Start Guide to include Guest O/S compatibility
70553	DCT-72168	Inconsistency in the ability to modify dataports when a work order is ongoing
70611	DCT-72832	The system administrator account cannot initiate an HA failover if the login name is changed from the default 'admin'
70670 71260 71612 74712	DCT-72282	Import fails during the model mapping step due to "untrusted" code
70815	DCT-72445	Inconsistent rounding of row height values for a model in UI vs Import
71051	DCT-72833	Delete is disabled for archived cabinets with hidden probe assets
71111	DCT-73870	Update documentation to note that manually created whip outlets cannot be connected to power panel breakers
71311	DCT-73433	Floor Drawing North Arrow direction does not carry over to individual rooms and resets to the default position
71357	DCT-72762	Update outdated images in the Cabinet Live Charts documentation

71385	DCT-75153	Update the user guide to explain that it is not allowed to have power panels with different voltages on the same floor pdu
71512, 72459	DCT-73203	Visualization layers are not working as expected for some floor maps due to difference between the layer setting in the configuration dialog and the layer setting in the toolbar
71538	DCT-74415	Changing a floor to a datacenter does not update the new datacenter's locale and still points to the previous datacenter's record
71575	DCT-72895	Fix the drill down for the Power Trend chart widget to show "Series" with it's content matching series values
71578	DCT-72890	If a custom field of type picklist is created via API and then a CF value is assigned to an asset via bulk endpoint, then it is not possible to change the label of any picklist choices for that custom field
71617	DCT-72974	Update to the latest version of open-vm-tools
71773	DCT-73117	Unable to export sensors when filtered on cabinet
71786	DCT-73555	Work order is marked complete, but a few requests within it remain incomplete
71959	DCT-73818	dcTrack logic to verify the Power IQ version does not work properly if a hotfix is applied to Power IQ
71967, 71536	DCT-73357	Asset views filtered by location do not retain the green save indicator after editing and saving and remain red even after refresh or log off/on
71972	DCT-73358	When updating the image in the parts library, the new image does not display until after logout/login
72028	DCT-73376	Missing model errors display as "null" in the events tab
72056	DCT-73554	Dates in subtab appearing behind another panel.
72120	DCT-73845	Edit fails with an error when importing suspended cabinets that use models with part numbers
72133	DCT-73835	Floor maps cache must be cleared after upgrade to prevent Visualization from showing a spinning icon
72147	DCT-73644	Connections Audit Tool does not process audits when an exception occurs and provides no indication of the failure
72148	DCT-73530	Universal connector error occurs sometimes when running at the same time as nightly VMware sync
72210	DCT-74216	AMS may report incorrectly in dcTrack in some cases
72270	DCT-74790	Console error causes the selected item port dropdown to be disabled when opening device connections from the visualization page
72271	DCT-73744	Update documentation to note that auto-generated cabinets for Device and Network Free-standing items consume a cabinet license

72371	DCT-73643	Inconsistency where switching free-standing items to storage via a request removes their cabinet association, while switching directly from item status does not
72447	DCT-73666	Item details page is very slow to change into edit mode when there is a single-select custom field with 25,000 picklist options
72451	DCT-73667	Update documentation to state that the system upgrade should be completed before updating the models library
72459	DCT-74942	Turning on/off a layer in a floormap may turn on/off the wrong layer
72468	DCT-73678	Allow users with the Viewer role to run Intelligent Capacity Search
72498	DCT-73957	Power Widget refresh interval hover tooltip shows stale timestamps and incorrect date information
72535	DCT-73761	Upgrade takes longer than expected when deleting unused VPC ports
72582	DCT-73952	The "config" user account is not being unlocked until the next reboot
72653	DCT-73820	Error updating custom field picklist tag options via bulk edit or items bulk API
72754	DCT-74173	User guide incorrectly suggests switch can be moved off-site, update documentation for off-site status
72833	DCT-73954	The high available documentation should clarify that the heartbeat settings do not apply until after the cluster is Operational
72847	DCT-73961	Can't add blades to an empty chassis if "my company standard" is enabled
72966	DCT-74645	Get Readings button is displayed but disabled for HVAC assets in integrated location connected to an Integrated Rack PDU
73027	DCT-74133	ServiceNow integration may get stuck in a loop if port integration is not enabled and there are audit trail entries for VPC power ports
73028	DCT-74132	Cannot use location id to retrieve circuit information in API call for data circuits
73068	DCT-74165	Update documentation to note that license files applied on the primary dcTrack are automatically synced to the secondary
73217	DCT-74461	Rack PDUs with re-used IP address don't get integrated after being updated in dcTrack
73222	DCT-74409	Error when cloning a cabinet with a DC FAP asset connected to a DC VPC into a location where DC VPC is not enabled
73239, 74467, 69120	DCT-75560	Text custom field with a default value prevents creation of a Floor PDU panel

73243	DCT-74371	Update outdated documentation for assigning a UPS to a UPS Bank
73272	DCT-74399	Remove duplicated content about how to move a cabinet in the online help
73426	DCT-75261	Asset move between PowerIQ instances fails if both Power IQ instances have assets with the same id and entity type
73460	DCT-74828	Floormap file not loading or overwriting previous drawing
73521	DCT-74604	Business rules do not execute when a breaker assignment is updated
73573	DCT-74927	Bad data created when a user tries to create a power connection loop
73682	DCT-74904	dcTrack may require an asset to be reconciled after every update from ServiceNow
73743	DCT-74757	Parts export includes parts from all locations not shown in dcTrack UI despite location filter
73751	DCT-74970	The "Aggregate By" dropdown menu in the Power Trend Chart is empty
73845	DCT-75070	Get Readings API returns error for integrated devices with unconnected power supply ports on integrated PDU
73864	DCT-74922	Null pointer error when creating HVAC/heat rejection system and adding relation to Power Source/Generator under Power Source/Fuel Tank
74104	DCT-75445	Can change the cord type to a patch cord through the UI but not import
74126	DCT-75210	Address subtab incorrectly displays for non-data center locations when opening the location details
74266	DCT-75245	Update user guide to note that printing is only available when viewing, not editing, and refresh outdated images
74664	DCT-75586	City field is not filterable in locations
74719	DCT-75998	Checkbox custom fields not appearing in color coding floor maps using field values
74783	DCT-75707	Inconsistent clearing of placement information between action menu and status drop-down when moving free-standing device to storage
74865	DCT-75920	Allow adding feed to DC bay / DC panel from plant in another room within the data center
74915	DCT-76125	Rack UPS does not show a proper error message if there is an integration problem
75024	DCT-76013	Update documentation to note exported event timestamps use server time zone, not user selected time zone
	DCT-71627	ODBC dcDataCircuit columns are inconsistent, add correctly named columns while retaining old ones

	DCT-73257	Poor performance on several floormaps APIs for a user with location-level gatekeeper permissions on a system with more than ten thousand locations
	DCT-73412	Auto-filled rated amps value on Rack PDU model power ports fail validation until manually re-entered
	DCT-74898	Unreconciled CMDB assets show incorrect 'invalid' error
	DCT-74940	Improve the UCG2 documentation for testConnection

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 9.3.0 and above:

Issues	Comments
Email delivery of some dashboard widgets may be missing images	The issue is specific to widgets that include location parameters if the widget doesn't have saved value(s) for the location parameter. Please save parameters (which is recommended best practice) to see the images in the email.
Changing certain configuration settings, including enabling SAML for the first, require an appliance restart	dcTrack enforces a Content-Security-Policy (CSP) to increase the security of the solution. As of dcTrack 9.3.0, however, certain directives in the CSP are set dynamically when the appliance starts up. See https://www.sunbirddcim.com/help/dcTrack/v930/en/Content/dcTrack/Dynamic_Content-Security-Policy.htm for more details
API /api/v2/subLocations/tree was deprecated in dcTrack 9.1.1 and is removed in dcTrack 9.3	API /v2/subLocations/labels was deprecated in dcTrack 9.1.1 and is removed in dcTrack 9.3
The field "cmbInputPhase" is deprecated in favor of "phase"	<p>This change affects the following APIs:</p> <ul style="list-style-type: none"> • /v2/powerChain/{locationId} • /v2/quicksearch/items • /v2/cabinetElevation/info/{cabinetId}
ODBC dcDataCircuit view	<p>The following columns in the dcDataCircuit ODBC view are deprecated to improve the consistency of the column names:</p> <ul style="list-style-type: none"> • Column "Connection9D" is deprecated in favor of "Connection9ID." • Column "Connection10" is deprecated in favor of "Connection10ID." • Column "Connection11" is deprecated in favor of "Connection11ID." • Column "Connection12" is deprecated in favor of

“Connection12ID.”

The deprecated fields will be removed in dcTrack 9.4.0

cmbInputPhase

The field “cmbInputPhase” is deprecated in dcTrack 9.2 and will be removed in dcTrack 9.4.0

API /v2/makes?makeName=xyz replaces the following APIs:

API

/v2/dcimoperations/search/makes

- /v2/dcimoperations/search/makes
- /v2/dcimoperations/search/makes/{makeName}
- /v2/dcimoperations/search/list/makes

Actual Active Power Per Cabinet, Actual Power By Customer's Cabinets, Actual Power By Customer's IT Devices, Actual Power Per Customer's Cabinets, Total Actual Active Power Dashboard Widgets

These widgets are deprecated and will be removed in a future release. Please use the Power Trend Chart widget instead.

For Rack Inverter and Transfer Switch item, the “fed from” field could display “TS -> undefined” instead of “TS → Inlet 1”

After creating a Rack Inverter/Transfer Switch in dcTrack, the Active Inlet will set to Inlet 1 by default, but the “fed from” field may display “TS -> undefined” instead of “TS → Inlet 1” This will be fixed in dcTrack 9.3.0.

The API field isConfigurable is deprecated and will be removed in dcTrack 9.3

The field isConfigurable is deprecated. In dcTrack 9.3, it will be removed and will no longer be returned in the responses for the following API calls:

- /v2/quicksearch/items/itemListFields
- /v2/quicksearch/circuits/circuitListFields
- /v2/quicksearch/connectors/connectorListFields
- /v2/quicksearch/events/eventListFields
- /v2/quicksearch/models/modelListFields
- /v2/quicksearch/projects/projectListFields
- /v2/quicksearch/locations/locationListFields (public API)
- /v2/quicksearch/auditTrail/auditTrailListFields
- /v2/quicksearch/parts/partModelListFields (public API)
- /v2/quicksearch/parts/partListFields (public API)

	<ul style="list-style-type: none"> • /v2/quicksearch/tickets/ticketListFields (public API) • /v2/quicksearch/parts/partTransactionListFieldspublic API)
Canceling reports of Cabinet elevations does not work as expected.	When you run a Cabinet Elevations report on the Items list, clicking Cancel does not stop the report or make the progress bar disappear. This will be fixed in dcTrack 9.3.
In the cabinet live charts, labels and legends do not display correctly.	The label of the legends for cabinet power and rack PDU circuit breakers and inlets are not displayed correctly in the cabinet live charts.
The API fields tiRectifiersActualLoadAmps, tiRectifiersActualLoadWatts, tiRectifiersBudgetLoadAmps, tiRectifiersBudgetFreeAmps, tiBattBudgetLoadWatt and tiBattBudgetLoadAmps are deprecated.	These fields are deprecated and will be removed in dcTrack 10.0
GET api/v2/dcimoperations/search/models/{modelName}/{makeld}	This API is deprecated and will be removed in dcTrack 9.3
tiDefault in the custom field public APIs.	tiDefault has been deprecated and is removed from the custom field public APIs in dcTrack 9.2.3.
The Administrator role has been renamed.	The Administrator role is renamed System Administrator in dcTrack 9.2
PUT /api/v2/models/{id}	This API performs as a PUT and not a PATCH. For example, if the Request includes the dataPorts list but nothing inside it, the data ports will be removed, or you include a new port in the list , but not the current port on the device, it will remove the port that already exists and create a new port.
The standard grid widget “Item Audit Trail” only returns the most recent 1000 rows	This was done to improve performance. Users with sufficient permissions can modify the widget settings as needed to meet their requirements.
API /api/v2/dcimoperations/items/{id} is a deprecated endpoint to manage change management requests	A new public API /v2/dcimoperations/requests has been added which includes the existing functionality
API /api/v1/items/?returnDetails=true/false (POST) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2	Use the Manage Items [v2] API instead. See https://www.sunbirdcim.com/help/dcTrack/v920/API/en/Default.htm#APIGuide/Using_the_REST_API_to_Manage_Items_[v2].htm
API /api/v1/items/<item_id>?retur	Use the Manage Items [v2] API instead. See https://www.sunbirdcim.com/help/dcTrack/v920/API/en/Default.htm#APIGuide/Using_the_REST_API_to_Manage_Items_[v2].htm

nDetails=true/false (PUT) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2

API /api/v1/items/<item_id> (DELETE) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2

[htm#APIGuide/Using_the_REST_API_to_Manage_Items_\[v2\].htm](#)

Use the Manage Items [v2] API instead. See [https://www.sunbirdcim.com/help/dcTrack/v920/API/en/Default.htm#APIGuide/Using_the_REST_API_to_Manage_Items_\[v2\].htm](https://www.sunbirdcim.com/help/dcTrack/v920/API/en/Default.htm#APIGuide/Using_the_REST_API_to_Manage_Items_[v2].htm)

API /api/v1/items/<item_id> (GET) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2

Use the Manage Items [v2] API instead. See [https://www.sunbirdcim.com/help/dcTrack/v920/API/en/Default.htm#APIGuide/Using_the_REST_API_to_Manage_Items_\[v2\].htm](https://www.sunbirdcim.com/help/dcTrack/v920/API/en/Default.htm#APIGuide/Using_the_REST_API_to_Manage_Items_[v2].htm)

Field relationshipTypeId is deprecated from the API /api/v2/relationship

Please see the online API documentation for more details

API /api/v2/dcimoperations/search/list/models (POST) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2

Use /api/v2/quicksearch/models instead for better performance and additional capabilities. See the online API documentation for more details.

The field CoolingUnitItemID is removed in ODBC view dcCoolingUnitsToZones

The field was deprecated in dcTrack 9.1.1 and is removed completely in dcTrack 9.3.0. It has been replaced with CoolingUnitItemID. CoolingUnitItemID is removed in dcTrack 9.3.

API /v2/subLocations/labels was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2

There is no replacement for this API, which was never leveraged by the application.

API /v2/dcimoperations/search/list/items was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2

Use /api/v2/quicksearch/items instead for better performance and additional capabilities. See the online API documentation for more details.

API /v2/settings/connectors/quicksearch was deprecated in dcTrack 9.1.1 and will be removed in dcTrack 9.2.3.

API /v2/quicksearch/connectors should be used instead for better performance and additional capabilities. See the online API documentation for more details.

The fields chkApplyToModel, chkHidden and chkRequired have been deprecated from all APIs

chkHidden and chkRequired had no functional effect and were a source of confusion. Use cmbAppliedTo instead of chkApplyToModel going forward. Please see the online API documentation for more details

Changes to the tile server or geocoding server are not reflected in the Content-Security-Policy response header.

After making changes to the settings for the world map, a reboot of the appliance is needed for the new Content-Security-Policy to be returned by the server. In later releases, such a reboot will not be needed.

Changes to whether HTML

After changing this setting, a reboot of the appliance is needed for

widggets are allowed or not are not reflected in the Content-Security-Policy response header.	the new Content-Security-Policy to be returned by the server. In later releases, such a reboot will not be needed.
Chassis on a suspended cabinets aligned with free-standing cabinets	A chassis on a suspended cabinets aligned with free-standing cabinets does not render
CMDB configuration XML should no longer refer to date time fields that begin "dt"	On upgrade, dcTrack will automatically replace deprecated field names with their replacement. However, if a customer had saved an XML configuration from an older release and tried to apply to apply it in 9.1.0, it would no longer be valid if it contains the deprecated field names.
Custom fields definitions for locations and models	Custom field definitions are not exported for locations and models
Data panel item details circuit trace.	A user cannot connect a right partial circuit into a full circuit from a data panel's item details page. The circuit can be connected from the Circuits List.
Audit trail units measurements.	The audit trail records measurements in "units" in US units regardless of the user's preferences. For example, when SI (Metric) is selected in the user's Unit System preference in the user profile, the value displayed is not calculated/converted correctly.
SAML, XML parsing error using metadata fetched with Firefox browser	A Jetty server does not start correctly when a SAML server is configured with metadata copied from a Firefox browser because Firefox does not parse and render the XML correctly. Do not use Firefox to get the metadata, instead use Edge or Chrome.
Special characters not supported in custom fields labels	The following characters are not supported in custom field labels: a period "." and a single quote "' ". Using these characters in your custom fields labels may result in errors or missing information when using the APIs.
/link/search/{fieldName}/{value }	This syntax for providing external links based on user specified search criteria is deprecated in dcTrack 9.1.0.
Model Library updates on devices and network items can result in too many ports if there are "is_customer" ports.	When a user uploads a Models Library Update file (.mlu) to dcTrack, if a standard or network device model in the file matches a model in the user's library and the "Do Not Update" option for the model is false, the ports in the MLU file will overwrite the ports in the user's library regardless of whether the ports were modified by the user. Note: For Rack PDU power ports, if the user modified any port, all power ports will be considered modified and no ports will be added from the MLU file.
tiPartNumber field in the /v2/quicksearch/ API	This field is deprecated in dcTrack 9.1.0
tiAddressFloor field in the /v1/locations API	This field is deprecated in dcTrack 9.1.0

An API call with a trailing slash (/) at the end of the URL does not work.	<p>An API call with a trailing slash (/) at the end of the URL does not work. If the user calls a URL with a trailing slash, it will not work, for example:</p> <ul style="list-style-type: none"> Working in 9.1.0: POST /api/v1/items No longer working in 9.1.0 or later: POST /api/v1/items/, or api/v1//items
Saving an Item with SNMP3 enabled	<p>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.</p>
Importing Busways	<p>Busway Outlets can no longer be created when importing Busway Breakers. The Power Outlet column in the file must refer to an existing column.</p> <p>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.</p>
The url for external links <a href="https://<dcTrackIPAddress>/link/search/{fieldname}/{value}">https://<dcTrackIPAddress>/link/search/{fieldname}/{value} has been deprecated.	<p>The new format is: <a href="https://<dcTrackIPAddress>/link/search/items?field=XXX&value=YYY">https://<dcTrackIPAddress>/link/search/items?field=XXX&value=YYY</p>
HA Email configuration is initially disabled.	<p>To enable the configuration: Toggle the "Enable High Availability" check box checked > unchecked > checked.</p>
dcTrack in Multiple tabs	<p>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.</p>
ODBC access may require new drivers	<p>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.</p>
Import over 100k rows	<p>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.</p>
ODBC Query Timeout	<p>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.</p>
Rendering 3D Floor Maps on a Mobile Device	<p>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.</p> <p>Alternatively, you may login to dcTrack by requesting the Visualization directly by typing this URL into your mobile browser: <a href="http://<dctrack hostname>/dcim/#/visualization"><dctrack hostname>/dcim/#/visualization</p>

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.

Custom Date fields do not work in the color-code feature on the floor map.

On the floor map, for the color-code feature, colors are not grouped by month for date type fields.

A facility item's Input Rating (Vac) does not update when its Input Item's Rating (Vac) value is updated.

After creating a Utility Feed and specifying its Rating (Vac) value and setting it as the Input item for a transformer, users may find that the Transformer Input Rating (Vac) does not change when the Input item's Rating (Vac) value is updated. To fix: Delete the Fed-From item field in the Transformer and save your change. Then add the Fed-From Item back to the Transformer and save your changes.

A UPS is not displayed in the "UPS Units in Bank grid on the Configuration sub-tab. Units in Bank YYY" grid of a UPS Bank if the UPS is placed in a different location

When a UPS is placed in one location, and the UPS bank and its load device are placed in another location, the UPS does not display in the UPS Units in Bank grid of the UPS bank.

A Power Panel's Breaker Voltage does not update when the Fed-From item's Rating (Vac) value is updated.

After creating a Utility Feed and specifying its Rating (Vac) value, then setting it as the Fed-From item for a Power Panel, users may find that the voltages of breakers added to the Power Panel do not change when the Fed-From item's Rating (Vac) value is updated. To address this issue: Delete the Fed-From Item field in the Power Panel and save your change. Then add the Fed-From Item back to the Power Panel and save your changes.

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

- Dell R640/740/840
- Dell R650/750/850

Browser Compatibility

- Microsoft Edge - Version 141.0.3537.99 (Official build) (64-bit)
- Firefox – 144.0 (64-bit)
- Google Chrome - Version 141.0.7390.107 (Official Build) (64-bit)
- Google Chrome on Mac - Version 141.0.7390.123 (Official Build) (arm64)
- Apple Safari – 18.2 (20620.1.16.11.8)

Power IQ® Compatibility

dcTrack 9.3.0 is compatible with Power IQ versions 9.3.0, 9.2.1, 9.2.0, 9.1.2, 9.0.1

About

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