

dcTrack[®] DCIM Operations Version 9.3.5

These release notes contain important information regarding the release of this product, so please read them carefully.

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.

Deprecation Notice: Optional Power Supply Feature

The column with the title “Optional” in the Power Supply Ports list will be removed in 9.4.0. This feature should no longer be used, and users currently using this feature should move their data away from it so that there is no data lost when upgrading to 9.4.0 releases. There are no changes in this 9.3.5 release.

Currently, when creating Models with Power Supplies, the user could create additional power supplies and mark them as Optional. This was to indicate that this model can be purchased with power supplies from a list of available options. This feature was superseded when the Part Number field for Models was added, many releases ago. Now the user can create multiple versions of the same model by assigning each a different part number where each part number correlates to a different power supply option.

When upgrading to 9.4.0, customers with Models that have optional power supplies defined will have their data automatically migrated, such that for each variant of a power supply that is marked optional, they will get a new model record created and the Part Number will display the value of the Nameplate Watts with AC or DC appended to it based on the power supply phase value.

Any Power supplies ports with Optional = true on Items and models will be deleted.

Example: Customer has a Model called ProLiant DL380 G10 and the model has 6 Power Supplies. 2 of them are 500 W Single-Phase, Optional = False, 2 are 1000 W Single-Phase, Optional = true and 2 are 750 W Direct Current, Optional = true. After upgrade to 9.4.0, the user will have 2 additional models. The original model will have the 2 power supplies that had optional = false. The 1st new model will be called ProLiant DL380 G10, with Part Number: 1000W-AC and it will have the two 1000 W power supplies. The second new model will be called ProLiant DL380 G10 and Part Number: 750W-DC and it will have the two 750W power supplies. The column with the title “Optional” will no longer be available.

Important Information

dcTrack Item Alias Field

The dcTrack Item Alias field maps directly to the Power IQ Facility Item Name field such that the Power IQ display setting has no impact on what is displayed in the dcTrack Alias field.

If the user changes the Alias field for a Facility Item in dcTrack, this will be sent to Power IQ. Power IQ, in turn, will attempt to set that name on the Facility Item. If the Facility Item does not support Name setting, then Power IQ's name will not be changed and dcTrack's Alias field will be changed back to the value in Power IQ. This maintains the Facility Item and Power IQ (as a proxy for the facility item) as the source of truth for the Facility Item Name.

Prior to upgrading to 9.3.0 or later, if you've been using the Item Alias field of facility items (Rack PDUs, Floor PDUs, UPS, etc) for other than the Name of the PDU, you should move this information to another field so as to not lose this information after the upgrade. This can be done easily and [in bulk using Export and Import](#).

The dcTrack Name field is not integrated and can be changed by the user at any time. However, if a Facility Item is initially created in dcTrack by a push from Power IQ, the dcTrack Name will initially be set automatically using the PDU Name, IP address and Proxy Index, if any, in this format:

<Name> (IP Address-Proxy)

Business Rules

If you are using any of these business rules, download and install the latest version from the [addons site](#) before or immediately after upgrading to dcTrack 9.3.0 or later.

- Mirror Model Custom Field to Item Custom Field
- Mirror Multiple Standard Date Fields to Custom Fields
- Remove CMDB Integration and Fields
- Set Asset Tag to Item Name
- Set Custom Field to CMDB ID
- Set Custom Field to Customer Contact
- Set Installation Date and Custom Decom Date
- Set Item APB Status
- Set Serial Number of Archived Items
- Set several CF based on Customer
- Set/Remove Substatus Based on Status
- Update Duplicated with ^^ItemId in the Name
- Set Location of Assigned Part to the Item Location
- Set Location When Status is Storage

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

Upgrade Paths

1. If you are on 9.0.2, 9.1.x, 9.2.x, 9.3.0 or 9.3.1, you can upgrade with the bin file via the GUI or by ISO installation (using backup/restore)
2. If you are running dcTrack 9.0.1 or older, you must upgrade first to 9.0.2 (following the documented instructions in the 9.0.2 release notes) and then you can upgrade to the latest version with the bin file via the GUI or by ISO installation.

Security Enhancements

dcTrack 9.3.5 includes the following security improvements:

- Critical and high vulnerabilities reported against the components bundled in the Sunbird solution were reviewed and addressed as part of this release. Since no one can directly log in to the hardened operating system, the appliance is not affected by CVEs that require local login for privilege escalation. These components were updated nonetheless, following best practice. Notable CVEs resolved:
 - CVE-2026-31431 (“Copy Fail”)
 - CVE-2026-43284 (“Dirty Frag”)
 - CVE-2026-46300 (“Fragnesia”)
 - CVE-2026-34197 (Code Injection vulnerability in Apache ActiveMQ)
- Sunbird appliances will no longer accept SHA1 ciphers for SSH connections
- SAML assertions can only be used once to prevent replay attacks. See the new features section for more details.

New Features and Enhancements

Track and Model Door Heat Exchangers and Direct-to-Chip Liquid Cooling Infrastructure

Create, place, track and model liquid cooling infrastructure such as coolant distribution units (CDUs) and manifolds. This improves asset and relationship management of door heat exchangers and direct-to-chip cooling (without ports and connections) with improved visibility into liquid-cooled compute equipment like GPUs and supporting infrastructure and enables users to easily plan, manage, and perform impact analysis on liquid cooling deployments.

List View Export to Excel with Automatic Column Formatting

Users can now export data from asset list view pages to an Excel file in addition to a CSV. Exported Excel files will automatically format each column according to its data type, eliminating manual reformatting of exported data and saving time.

Business Rules for Tickets and Projects

In addition to items, business rules can now be applied to dcTrack tickets and projects, enabling users to save time and create a series of automated actions triggered by conditions on tickets and projects, such as automatically adding items to a project based on a ticket.

Granular Dashboard Permissions for Local Users

Users with restricted permissions can access dashboards and view filtered chart widget data that includes only the data they have permission to see. This enhances security by ensuring users only see data for locations or items they are authorized to access and increases usability and data transparency for internal customers by allowing them to view charts and reports specifically for their owned assets.

ServiceNow Connector Circular Updates

Bidirectionally sync all mapped fields on both systems upon initial item integration if the item exists on both dcTrack and ServiceNow systems. Mapped fields will be synced sooner and more completely. This eliminates the need to perform a save on the item in both systems to sync all fields.

Improve Performance for ServiceNow Connector Filtering

Users can now perform ServiceNow filtering as the first step in the item sync process. This immediately excludes any assets or configuration items (CIs) that don't qualify for integration and improves performance as they don't need further processing.

ServiceNow Connector Apply All Field Mappings

Easily create connector mappings by applying all field mappings for the ServiceNow connector of a parent class to all child classes that extend from that parent. This includes relationships and filters.

Show Connector Integration Errors in Events Tab

Easily see integration errors in the dcTrack Events tab for both the ServiceNow and UniversalConnectorG2. While creating a new connector configuration and correctly configuring the APIs to call on the external system, there might be some trial and error until the configuration is correct and ready for production. This feature eliminates the slow process of downloading the system logs to view error messages during the configuration process.

Bulk Import/Export Custom Field Definitions for Locations and Models

Users can now bulk import and export custom field definitions for locations and models, eliminating the need to create them one-by-one manually in the GUI.

Deploying Connectors from Addons Site, Promoting CFs from Dev to Prod, and Bulk Creation of CFs

Users can now create a subtab when one doesn't exist when the import sheet of Custom Fields places them in such subtabs.

Bulk Import Branch Circuit Breaker Derating

A new "Derate Amps" column in the breaker import sheet allows users to set and update branch circuit breaker derating values via bulk import, eliminating the need to manually update breaker derating values in the GUI one-by-one.

Integration of Tap Box Readings Between dcTrack and Power IQ

dcTrack now receives tap box power readings from Power IQ which provides a more complete view of power utilization. This provides more informed power capacity planning, improves uptime, and reduces stranded capacity.

Red Hat OpenShift Container Deployment

This enhancement allows dcTrack to be deployed as a containerized application on Red Hat OpenShift. Containerization increases operational efficiency and enhances portability across environments by allowing dcTrack to be deployed and managed using existing OpenShift standards, shared OS kernels, tooling, and processes.

Support for Powered Dry Contact, Motion Detection, Tamper Detection, and Vibration/Acceleration Sensors

dcTrack now supports 100% of the sensor types that Power IQ supports. They will appear in dcTrack when a rack PDU in Power IQ has them, making dcTrack the single pane of glass for sensor readings.

Readings Subtab for Integrated UPSs

Users can now see readings in dcTrack for integrated floor UPSs in Power IQ in a new Readings subtab, making dcTrack the single pane of glass for UPS readings.

Executive Dashboard Folder

A dedicated executive folder has been added to the dcTrack dashboard to provide data center leadership clear visibility into day-to-day operations and support better long-term business decisions. The initial set of widgets included in the executive dashboard span across Power, Energy, and Space as well as Install vs decommissions reports.

SAML Security Improvements

dcTrack 9.3.5 limits SAML assertions to a single use. Additionally, SAML assertions are deleted when the delete_at date is reached. The delete_at date stored in the assertion table is the expiration date that comes with the assertion from the IDP. If no expiration date is provided, dcTrack uses a default expiration of 30 days from the time of assertion creation. Upon deletion, the stored assertions is removed from the system.

User Profile Page Changes

dcTrack 9.3.5 prevents non-local users (i.e. SAML or LDAP/AD) from modifying their own profile data.

Issues Resolved in This Release

Release 9.3.5 includes the following fixes over Release 9.3.1:

Ticket Number	Sunbird Internal Number	Summary
16256, 79070, 75202	DCT-23423	dcTrack export files in XLSX format with field data types already defined
29276 61455	DCT-36404	Functionality to import/export custom fields should include the subtab and panel information
33963	DCT-40768	Add a quicksearch API to retrieve breakers by location ID
53755	DCT-58439	Allow dashboard charts/widgets to display data to local permission users
54495	DCT-59429	Support all sensors in dcTrack as supported in Power IQ 9.3.5
59640	DCT-62697	Include New Location and New Name fields in location export file
63134	DCT-65952	Show CMDB asset connector logs in the UI
66090	DCT-70391	Add support for liquid cooling items and models
71684	DCT-72968	Change when filters are executed on ServiceNow to improve performance
72886	DCT-56792	Add the ability for the ServiceNow app to make circular updates as part of initial integration
77110	DCT-77935	Allow the state field for a location to be more than 20 characters

78385	DCT-78708	Allow certain fields to be pushed once via the integration
80941	DCT-80665	Update Several Standard Widgets to Follow User Permissions
81027	DCT-80792	Increase the number of events retained in the events tab
	DCT-76271	Allow export of custom fields for models and locations
	DCT-81286	Add an Executive dashboard
51472	DCT-80832	Integrated floor PDUs may not show circuit readings
55686	DCT-59810	Excel may mistakenly convert a string with a "." in it to a floating point number in .csv export files
67970	DCT-70490	Restarting dcTrack resets the syslog hostname to the default
69340	DCT-71138	Clarify the documentation to explain what values will be sent to CMDB when integrating with the ratingAmps field
69368	DCT-71847	Layer names in floor map may not render as expected
70837	DCT-72814	Sometimes the UI does not properly redirect to the login page after a session timeout
72192	DCT-74061	The events tab includes integration warnings about newly created PDUs
72198	DCT-76794	Cleanup of tickets prevents a room from being deleted
73128	DCT-74412	Remove "Item is in a different location" warning on structured cabling when connecting cabinets in the same location
73841	DCT-74830	Cabinets created via the UCG2 are created as standard devices if no class mapping is configured even when there is a model found
74095	DCT-75068	In the documentation for the asset audit tool, please define the fields being used and a clearer description of the process
74191	DCT-76482	Estimated floor space remaining widget counts suspended cabinets
74547	DCT-75448	Please include additional documentation to clearly outline the specific roles required to perform a Data Model Sync
74571	DCT-75453	Update the list of valid entityTypees for in the search audit trail API documentation
74574	DCT-75455	Include more field mapping information to the API documentation
74593	DCT-75951	There are system generated duplicate models shown in the models library
74993	DCT-75955	Save button should be disabled after clicking when creating a CMDB connector
75032	DCT-76364	Update documentation for building compound circuits with two port mirrors
75083	DCT-76138	Export of all columns into import template has SNMP for non-SNMP enabled assets
75157	DCT-76139	Export events does not include the event details
75164	DCT-76181	Tapbox is always showing 0 in the single line diagram
75237	DCT-78714	Unable to re-order large custom field picklists via API
75352	DCT-76304	Please update the documentation for whether gatekeepers can change the status of items
75378	DCT-76640	dcTrack does not automatically redirect to the login page in some cases
75421	DCT-77088	Cannot delete a floor if it has a hierarchical floor map with a room assigned

75441, 75393	DCT-76519	Single line diagram is giving warning message if batteries are in a different location than the items they belong to
75452	DCT-76477	Blades automatically changing to installed when the parent chassis status is updated
75492	DCT-77166	Error when attempting to unsync suspended cabinets on visualization
75523	DCT-77388	Misaligned airflow tiles on child location
75560	DCT-79430	The list of cabinets shown in the visualization tab is not ordered consistently
75565	DCT-76579	"Model is not Company Standard" error is blocking the movement of an existing installed asset from cabinet to cabinet
75614	DCT-76577	Error when item classes are not filled in from picklist option
75680	DCT-76612	UPS Bank, Switch and Plant items appear in the left-hand item list during floormap edit mode
75681	DCT-76908	Divide by zero error when adding a connection
75815, 81292, 76117, 81292	DCT-76743	The cabinet image in the Item Details report is missing U-positions
75833	DCT-76746	Horizontal scroll bar is missing from location filters
75884, 80933	DCT-76789	Missing class data when exporting item types and functions
76197, 76188	DCT-77150	Getting an API error when trying to delete custom fields and subtabs for some subclasses
76229	DCT-77169	Saved views on the assets tab flicker on load
76232	DCT-77277	The row label filter is not working as expected
76300	DCT-77296	'Reason' field data from part transactions missing on assets detail page
76307	DCT-77226	Cabinets with suspended mounting do not include 'Front Faces' values in export files
76456	DCT-77496	Floor tiles not working as expected on hierarchical floor maps
76500	DCT-77383	If a location is created with a long node code longer than 20 characters, it cannot be edited later
76558	DCT-77520	Trying to configure a floor plan to use AA,BB,CC.... option for the 'Letter Axis Scheme' causes an error
76562	DCT-77554	Updating fields of a powered-off free-standing device causes the device to move back to installed status
76582	DCT-77767	PDU alias is not syncing with the facility item name
76593	DCT-78844	Refreshing the elevation health view for more than 50 cabinets may run out of database connections
76613	DCT-77500	The floormaps is not properly orienting tap boxes in some cases
76735	DCT-77611	The parts inspector is not showing part pictures
76767	DCT-77745	The "Share Link" URL for the SQL grid widget does not work
76800	DCT-77770	Switching view locations hides the structured cabling in the original location
76800	DCT-77772	New default view for Structured Cabling does not save

76864	DCT-77836	dcTrack instance going into swap due to excessive database index size on locations table for column "path"
76881	DCT-79037	After removing a probe from Power IQ, it still shows integrated in dcTrack
76881	DCT-80804	Cannot sync probe pdus to piq after unmapping
76924	DCT-77940	Bad user experience when attempting to save a building with the same node code as another building
77003	DCT-77937	Exporting ports for a cassette fails if the cassette name is not unique
77090	DCT-80840	An error is shown when opening the power port subtab of a rack PDU if the pdu has one of its outlets connected to the inlet of another pdu
77092	DCT-79266	The thermal map report is displaying a hot spot in a cold aisle for cabinets facing South
77110	DCT-77888	Missing UI validation on state length causes bad user experience
77140	DCT-77900	Relationship location selection is not working as expected
77240	DCT-78068	Capacity search incorrectly calculates available capacity for cabinets
77286	DCT-78447	eAsset tag incorrectly associated with Rack PDU instead of device
77288	DCT-78135	When assigning multiple users to a work order, the UI attempts to display all assigned users on a single line
77359	DCT-78051	Exports have an inconsistent date format when user preferences are set to use DD-MM-YYYY
77392	DCT-78421	Export into Import Template of structured cabling is not working
77439	DCT-78078	Universal connector issue with integrating blades from netbox
77442	DCT-78956	LDAP sync does not remove users from dcTrack even after they are deleted from the LDAP server unless group authentication is enabled
77476	DCT-78289	The audit trail for floor PDUs includes the U-position field
77492	DCT-80704	Please enhance the dcTrack - ServiceNow integration documentation
77509	DCT-78118	Force user to require 'Proceed on Warning' when deleting sites via import that have items
77543	DCT-78229	Update documentation to clarify that Bulk Edit 'VM Host' Field requires Item Name to be passed instead of Yes/No or True/False
77590	DCT-78317	Enforce change management requests for asset status change for Operator without Delete role
77607	DCT-78264	Cannot clone a model immediately after creating it
77627	DCT-79290	The single line diagram includes Rack PDUs
77638, 80031, 79985, 79969, 77285	DCT-78345	The is_used field is not set correctly after deleting a connection
77656	DCT-78294	Wire gauge field does not have a dropdown in Bulk Edit UI
77778	DCT-79468	Import fails when updating data port names containing "/"
77842	DCT-78384	In CMDB integration, enabling createModelOnCmdb results in failure to find id for the model

77913	DCT-78454	Unable to assign cassette to patch enclosure inside 2-post rack
77941	DCT-79704	Users unable to view circuits in connectivity tab with location/asset-level permissions
77974	DCT-78572	Auto-created ticket numbers may conflict with user entered ones
77997	DCT-78458	Structured cabling location drop down does not work properly
78042	DCT-79527	Multiple aliases on a make cause an error when importing model ports
78080	DCT-78777	Relationships defined in dcTrack are not created on ServiceNow if the CI is already integrated
78093	DCT-79799	Missing validation allows users to create invalid breakers via API
78102	DCT-79968	Rack health inspector in 3D visualisation tab may take over 10 seconds to load
78136	DCT-79809	The appliance sends outbound NTP traffic to a default "pool" server after upgrade
78142	DCT-81735	eAsset Tag is not syncing for a device mounted on the rear rails
78200	DCT-78595	Models library export missing rated amps
78218	DCT-78670	Work order filters are not functioning correctly in some cases
78222	DCT-78671	Data cord length displayed in feet regardless of user unit preferences
78256	DCT-79718	Please update the documentation about custom fields for locations are integrated between dcTrack and Power IQ
78264	DCT-78700	dcTrack upgrade failure when using the initial DB installed by the ISO
78288	DCT-78651	High Availability replication of dwg files should not happen until the file is completely written to disk
78332	DCT-78678	Audit Trail not showing "on behalf of non-dcTrack user" when updating assets from the API
78446	DCT-79581	Please update the API documentation for deprecated APIs to manage actual readings to link to the replacement
78522	DCT-80646	Updating the RU height of a model times out if there are 18,000 instances of the model
78593	DCT-78840	Config Remote Storage of Backup Files documentation needs to be updated.
78622	DCT-79535	Not seeing all of the cassettes and trays when adding structured cabling connections to certain data panels
78670	DCT-78860	Probe integrated by a dynamic plugin is not returning sensor readings
78688, 81824	DCT-78867	Audit trail is not populating correct Changed By user name for custom fields when values are updated
78695	DCT-78648	Export error due to bad data when a single location is integrated with multiple VM Managers
78695	DCT-78882	There is a mismatch in the column headers for custom fields in the export when the export includes both valid and invalid assets of the same class/subclass.
78737	DCT-79235	If a blade is removed from chassis, the status remains installed
78752	DCT-79042	Error shown when opening model details page in some cases

78753	DCT-78927	In Settings > Location hierarchy > Icon Gallery, the icon search font is black in dark mode
78783	DCT-78934	The system stopped enforcing that building code must be globally unique
78828	DCT-79711	Ports added automatically due to Power IQ integration are missing required attributes (phase legs) and cannot be repaired in the UI
78848	DCT-80179	In the Visualization tab, in room sensors do not get displayed after clicking "Get Readings"
78881	DCT-79255	Import generates error with 'is already UNMAPPED' when item is being unmapped but the operation succeeds
78922	DCT-79205	Date filter is not working in the Item Detail Changes report
78977	DCT-79229	Cannot move individual parts through the import sheet
79052	DCT-79533	Duplicate outlets may get created on integrated rack PDUs in some cases
79099	DCT-79432	Single line diagrams may still contain references to deleted power ports
79143	DCT-79294	Document how to have a specific order when emailing widgets
79150	DCT-79676	Missing phase data causes a "system exception" instead of showing a meaningful error to the user
79198	DCT-79327	In structured cabling, cassettes are not ordered based on port index order
79205	DCT-79319	Chart widgets copied from standard widgets are missing data and all parameters post-upgrade
79229	DCT-81338	Sync from Data Model Sync page causes duplicate location record in Power IQ
79246	DCT-79852	Thermal map stops working at the room level when a hierarchical floor map is created
79284, 80497	DCT-79427	Site Users Permission issues in editing Floor Maps
79335	DCT-80353	Autogenerated network diagram does not show connections between rooms
79501	DCT-79672	Sites not filtering as expected when there are 20,000 locations in the same country
79501	DCT-79690	Unable to filter by location description in the item list
79501	DCT-79693	Advanced quicklinks are not reliably working as expected
79558	DCT-79701	Community string changes are not recorded in the audit trail
79561	DCT-80183	Filtering in the asset list is slow if there are 10s of thousands of locations with the same parent in the hierarchy
79681	DCT-79771	Clarification requested on dcTrack "Inspecting Cabinets" data points + user guide update request
79714	DCT-80098	In the port inspector, ports from the blades are showing on the chassis if the chassis has no data ports
79728	DCT-80153	Panel order in custom field subtabs is not being displayed as designed in Field Management
79728	DCT-80154	Custom fields subtab missing in device and AC Bay item details page
79740	DCT-79824	An errors occurs when a user tries to "Add Connections" by connections audit tool

79834	DCT-79969	Documented dcTrack 9.3.1 API call for checking port compatibility returns 404 response
79893	DCT-79952	Please update the documentation about how to upgrade
79967	DCT-80145	Unable to save cassette after using model search in data panel/patch enclosure
79982	DCT-80039	Please change the eye icon in the floor tile editor menu
80034	DCT-80594	Import does not validate file extensions or types on the server
80096, 81460	DCT-80186	Error message when typing in width field (model lib)
80142	DCT-80097	Changing Discharge VPC causes proceedOnWarning error in UI
80153	DCT-80155	In the structured cabling screen, the media type compatibility check may prevent selecting the far end
80249	DCT-80709	Cloning a busway with child items results in busway outlet with two parents
80296	DCT-80748	Unintegrate of the physical host does not make the VM fields editable
80352	DCT-80280	Import may get stuck when the import sheet is large and contains multiple new models that need to be added
80381	DCT-80290	When attempting to move ports around on the Ports Placement screen, The current behavior selects ports that are not inside the selection rectangle.
80503	DCT-80620	Cannot change the make and model of an existing plant item
80532	DCT-81190	Some Item Request PDF missing when printing from work order detail for specific statuses
80545	DCT-80419	Using the bulk item API endpoint does not work as expected when editing the vm host item
80569	DCT-80444	Budgeted power across multiple PDUs may not be calculated correctly in some cases
80740	DCT-80549	Saved views are broken in the work order page
80762	DCT-80570	Resolve vulnerabilities in the hardened o/s even though they cannot be exploited
80816	DCT-80631	Clicking the toggle between 2D and 3D disables editing of the floor map
80956	DCT-80973	Error when connecting multiple circuits at the same time
80974	DCT-80862	A single inlet device connected to an transfer switch displays only one power source in Visualization and circuit diagrams
81133	DCT-80843	Location show / hide column not working after navigating to another page
81252	DCT-80948	Links are not detected in custom fields assigned to locations
81301	DCT-81215	Quicksearch API documentation does not mention the use of "contains" filtering
81324	DCT-80993	Import model check only identifies a single part number
81377	DCT-81542	Remove all SHA1 SSH ciphers
81436	DCT-81208	Improve the import error message shown when trying to change an item name to exceed 64 characters
81494	DCT-81523	OAuth2 variables not recognized by the universal connector
81496	DCT-81238	Updating location via PUT clears node code

81566	DCT-81279	Issues integrating port media type from Netbox
81567	DCT-81280	Issues integrating with blade's ports from Netbox
81577	DCT-81557	Unable to create DC equipment via the UCG2
81643	DCT-81584	Import sheet cannot detect ending item when patch enclosure name contains "/"
81657	DCT-81390	Unable to save location when the child and parent locations share the same node code
81666	DCT-81411	Cannot change floor pdu status through change management
81686	DCT-81604	Enterprise health dashboard may not update as expected if request bypass is enabled
81718	DCT-81413	Data re-encryption during restore may trigger data pushes to Power IQ
81735	DCT-81415	Please update the documentation about aisles and pods
81779	DCT-81664	Error when using import to create probe devices with the same IP address and different proxy indexes
81858	DCT-81582	Imports of data ports for data panels is very slow and impacting overall system performance
82056	DCT-81683	Saved views in the change requests tab do not filter as expected
82329	DCT-81907	Save button doesn't become enabled when delete an alias in a model
	DCT-77340	ServiceNow integration doesn't work as expected if the language is not english
	DCT-77983	An integrated Floor UPS is not showing readings in the power ports subtab for the UPS output port
	DCT-80119	Inaccurate documentation about token expiration for OAUTH2 APIs
	DCT-81397	Deleting a cabinet does not clear the cabinet references for sensors that were placed in it

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 Releases 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.sunbirdcim.com/help/dcTrack/v935/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 9.3.0	API /v2/subLocations/labels was deprecated in dcTrack 9.1.1 and is removed in dcTrack 9.3.0
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." <p>The deprecated fields will be removed in dcTrack 9.4.0</p>
dcimoperations/search/makes	<p>The field "cmbInputPhase" is deprecated in dcTrack 9.2 and will be removed in dcTrack 9.4.0</p> <p>API /v2/makes?makeName=xyz replaces the following APIs:</p> <ul style="list-style-type: none"> • /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	These widgets are deprecated and will be removed in a future release. Please use the Power Trend Chart widget instead.

Actual Active Power Dashboard Widgets

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 deprecated API field isConfigurable was removed in dcTrack 9.3.0

The field isConfigurable is deprecated. In dcTrack 9.3.0, it was 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)
- /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}/{makeId}

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.

<p>The Administrator role has been renamed.</p>	<p>The Administrator role is renamed System Administrator in dcTrack 9.2</p>
<p>PUT /api/v2/models/{id}</p>	<p>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.</p>
<p>The standard grid widget “Item Audit Trail” only returns the most recent 1000 rows</p>	<p>This was done to improve performance. Users with sufficient permissions can modify the widget settings as needed to meet their requirements.</p>
<p>API /api/v2/dcimoperations/items/{id} is a deprecated endpoint to manage change management requests</p>	<p>A new public API /v2/dcimoperations/requests has been added which includes the existing functionality</p>
<p>API /api/v1/items/?returnDetails=true/false (POST) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2</p>	<p>Use the Manage Items [v2] API instead. See https://www.sunbirdcim.com/help/dcTrack/v935/API/en/Default.htm#APIGuide/Using the REST API to Manage Items [v2].htm</p>
<p>API /api/v1/items/<item_id>?returnDetails=true/false (PUT) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2</p>	<p>Use the Manage Items [v2] API instead. See https://www.sunbirdcim.com/help/dcTrack/v935/API/en/Default.htm#APIGuide/Using the REST API to Manage Items [v2].htm</p>
<p>API /api/v1/items/<item_id> (DELETE) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2</p>	<p>Use the Manage Items [v2] API instead. See https://www.sunbirdcim.com/help/dcTrack/v935/API/en/Default.htm#APIGuide/Using the REST API to Manage Items [v2].htm</p>
<p>API /api/v1/items/<item_id> (GET) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2</p>	<p>Use the Manage Items [v2] API instead. See https://www.sunbirdcim.com/help/dcTrack/v935/API/en/Default.htm#APIGuide/Using the REST API to Manage Items [v2].htm</p>
<p>Field relationshipTypeId is deprecated from the API /api/v2/relationship</p>	<p>Please see the online API documentation for more details</p>
<p>API /api/v2/dcimoperations/search/list/models (POST) was deprecated in dcTrack 9.0.0 and is removed in dcTrack 9.2</p>	<p>Use /api/v2/quicksearch/models instead for better performance and additional capabilities. See the online API documentation for more details.</p>
<p>The field CoolingUntiltemID is removed in ODBC view dcCoolingUnitsToZones</p>	<p>The field was deprecated in dcTrax 9.1.1 and is removed completely in dcTrack 9.3.0. It has been replaced with CoolingUnitItemID CoolingUntiltemID is removed in dcTrack 9.3.</p>

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 widgets are allowed or not are not reflected in the Content-Security-Policy response header.

After changing this setting, 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.

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 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.

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:

- 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

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

<https://<dcTrackIPAddress>/link/search/{fieldname}/{value}> has been deprecated.

The new format is:

<https://<dcTrackIPAddress>/link/search/items?field=XXX&value=YYY>

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.

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.sunbirdcim.com/>
- **Get Help:** tech@sunbirdcim.com
- **Sign Up for a Maintenance Contract:** Contact your reseller or sales@sunbirdcim.com

Supported Software Versions

Sunbird Technical Support will support clients with valid maintenance agreements and software versions no greater than two (2) previous Major and Minor related releases from the current General Available software version. As of dcTrack 9.3.5, dcTrack 9.3.0 and 9.2.0 are Major releases supported by Sunbird Technical Support and any Minor related releases. Version 9.1.0 or older are not supported, without explicit approval of Sunbird's VP of Client Services or above.

Power IQ® Compatibility

dcTrack 9.3.5 is compatible with Power IQ versions 9.3.5, 9.3.3, 9.3.0, 9.2.1, 9.2.0, 9.1.2, 9.0.1

Browser Compatibility

- Microsoft Edge - Version 149.0.4022.52 (Official build) (64-bit)
- Firefox – 152.0.4 (64-bit)
- Google Chrome - Version 149.0.7827.54 (Official Build) (64-bit)
- Google Chrome on Mac - Version 149.0.7827.54 (Official Build) (arm64)
- Apple Safari – 26.5 (21624.2.5.11.4)

Hardware Compatibility

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

About Sunbird

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