CMDB hardware CIs & asset data

45 declared fields for CMDB hardware asset. Required fields include Asset tag, Serial number, Asset name, Asset class.

https://docs.qintoravacloud.com/forms/hardware_assets/

About this form

Use this reference to identify built-in form labels, data types, and validation. Specialized workspaces can render a subset of these fields or provide workflow-specific controls. Your role, record state and tenant configuration can change what you see.

Registry key

`hardware_assets`

Record label

CMDB hardware asset

Field definitions

Field	Type or reference	Built-in rules	Choices and constraints
Asset tag assetTag	text	Required Default list field	—

Field	Type or reference	Built-in rules	Choices and constraints
Serial number `serialNumber`	text	Required Default list field	—
Asset name `name`	text	Required Default list field	—
Asset class `assetClass`	select	Required Default list field	`endpoint`, `laptop`, `desktop`, `mobile_device`, `server`, `network`, `router`, `switch`, `firewall`, `storage`, `storage_array`, `rack`, `peripheral`, `printer`, `other`, `ups`, `battery_bank`, `pdu`, `rpp`, `ats`, `sts`, `generator`, `transformer`, `switchgear`, `busway`, `power_circuit`, `crac`, `crah`, `chiller`, `cooling_tower`, `pump`, `heat_exchanger`, `coolant_distribution_unit`, `rear_door_heat_exchanger`, `immersion_cooling`, `containment`, `environment_sensor`, `leak_sensor`, `power_meter`, `water_meter`, `fire_suppression`, `access_controller`, `camera`, `patch_panel`, `fiber_distribution_frame`, `cable_circuit`, `optical_transceiver`, `kvm`, `console_server`, `bms_controller`, `dcim_controller`, `plc`, `scada_controller`, `industrial_gateway`
Hardware model `modelId`	reference [hardware_models]	Default list field	—
Manufacturer `manufacturer`	text	Default list field	—

Field	Type or reference	Built-in rules	Choices and constraints
Model `model`	text	Default list field	—
Configuration item `ciId`	reference `__cmdb`	Read-only Default list field	—
Installed in rack `rackCiId`	reference `__cmdb`	Optional by default	CI classes `rack`
Lifecycle state `lifecycleState`	select	Required Default list field	`ordered`, `received`, `in_stock`, `allocated`, `in_use`, `operational`, `in_transfer`, `leased`, `reclamation`, `decommissioning`, `decommissioned`, `disposed`, `lost`, `stolen`
Lifecycle end date `lifecycleEndDate`	date	Default list field	—

Field	Type or reference	Built-in rules	Choices and constraints
assignedOn `assignedAt`	datetime-local	Optional by default	—
Expected return `expectedReturnDate`	date	Optional by default	—
Warranty start `warrantyStartDate`	date	Optional by default	—
Annual maintenance cost `annualMaintenanceCost`	number	Optional by default	Minimum `0`

Field	Type or reference	Built-in rules	Choices and constraints
disposalRecoveryDisposalRecoveryAmount	number	Optional by default	Minimum 0
disposalCostDisposalCost	number	Optional by default	Minimum 0
ProvisionedprovisionedAt	datetime-local	Optional by default	—
DecommissioninitiateddecommissionInitiatedAt	datetime-local	Read-only	—

Field	Type or reference	Built-in rules	Choices and constraints
Condition `condition`	select	Optional by default	`new`, `good`, `fair`, `damaged`, `unusable`
Stockroom `stockroomId`	reference stockrooms	Optional by default	—
Assigned user `assignedUserId`	reference users	Optional by default	—
Assigned department `assignedDepartmentId`	reference departments	Optional by default	—
Location `locationId`	reference locations	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Cost center `costCenterId`	reference [cost_centers](#)	Optional by default	—
Vendor `vendor`	text	Optional by default	—
Purchase order `purchaseOrder`	text	Optional by default	—
Acquisition type `acquisitionType`	select	Optional by default	`purchase`, `lease`, `rental`, `donation`
Purchase date `purchaseDate`	date	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Purchase cost `purchaseCost`	number	Optional by default	Minimum `0`
Currency `currency`	text	Optional by default	—
Warranty expiration `warrantyExpiration`	date	Optional by default	—
Lease contract `leaseContract`	text	Optional by default	—
Lease start `leaseStart`	date	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Lease end `leaseEnd`	date	Optional by default	—
Disposal certificate URL `disposalCertificate`	url	Optional by default	—
Asset notes `notes`	textarea	Optional by default	—
Active `active`	boolean	Default list field	—
Created `createdAt`	text	Read-only	—
Updated `updatedAt`	text	Read-only	—

Field	Type or reference	Built-in rules	Choices and constraints
Demo record key `demoKey`	text	Hidden by default	Stable identifier used by the idempotent demo fixture loader.
Demo dataset `demoDataset`	text	Hidden by default	Synthetic demonstration records. Not actual organizational inventory, financials or execution evidence.
Vendor account `vendorId`	reference vendor_accounts	Default list field	—
Enterprise contract `enterpriseContractId`	reference enterprise_contracts	Optional by default	Select a matching active agreement from the shared Vendor and contract workspace.

Field	Type or reference	Built-in rules	Choices and constraints
Source purchase order `purchaseOrderId`	reference purchase_orders	Read-only	—

Related procedure: Request and provision hardware.

Verification evidence

The disposable audit exercised 28 applicable validation assertions on this definition. The authenticated collection read returned HTTP 200. See the verification matrix for scope.

Collection read results by built-in role

These statuses were observed over HTTP with one role per disposable MFA account. A successful list response can be empty and does not establish individual record, field, or write access.

Role	HTTP status
Asset Manager	200
Change Manager	200
CMDB Manager	403
Contract manager	200
Customer service agent	200
Customer service customer	403
Customer service manager	200
Datacenter Customer	403
Datacenter Fulfiller	200
Datacenter Manager	200
Datacenter Vendor	403

Role	HTTP status
EH&S auditor	403
EH&S manager	403
Executive Reader	200
Field service dispatcher	200
Field service technician	200
HR case agent	403
HR knowledge manager	403
HR lifecycle manager	403
HR profile manager	403
Employee Relations investigator	403
HR service catalog administrator	403
Inventory Counter	403
ITIL Fulfiller	403
Knowledge Manager	200
Business Manager	200
Platform Administrator	200
Service Desk Agent	200
Vendor manager	200
Third-party risk manager	200
Employee with no workspace role	403

Edit and verify

1. Open the list from the appropriate workspace and select an existing record or a permitted create action. Confirm the intended tenant and record number.
2. Use the visible controls for the current record type and state. For reference fields, select a returned record from the lookup. Fill visible required fields and use the dedicated workflow action when the record has approval or completion gates.
3. After saving, reopen the record and compare its persisted values, state and activity to the intended change. Check the downstream linked record when the action creates one.

Troubleshoot

- Missing field or control: compare the role, module, record state, form conditions and tenant overrides.
- Lookup returns no result: check that the referenced record is active, in scope and compatible with the current field.
- Save is rejected: keep the exact validation message and compare the field key, choice, constraints and required related records.
- See Edit and troubleshoot records and Configuration Studio.