CMDB

126 declared fields for Configuration item. Required fields include Name, Description, CI class.

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

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
`cmdb`

Record label
Configuration item

Record prefix
`CI`

Workspace
Open CMDB

Field definitions

Field	Type or reference	Built-in rules	Choices and constraints
IT / OT technologyType	text	Read-only Default list field	Class-based technology domain with a governed override in CMDB & CSDM → IT/OT classification overrides.

Field	Type or reference	Built-in rules	Choices and constraints
CI number `number`	text	Read-only Default list field	—
CI health `healthScore`	number	Read-only Default list field	Live operational health. Green 80–100%, yellow 60–79%, red 0–59%. Gray means unmeasured.
Name `title`	text	Required Default list field	—

Field	Type or reference	Built-in rules	Choices and constraints
Description `description`	textarea	Required	—
CI class `cmdbClass`	select	Required Default list field	`base_ci`, `business_capability`, `business_application`, `application_service`, `business_service`, `business_service_offering`, `technical_service`, `technical_service_offering`, `software_environment`, `application`, `endpoint`, `laptop`, `desktop`, `mobile_device`, `printer`, `peripheral`, `server`, `virtual_machine`, `hypervisor`, `cluster`, `container`, `network`, `router`, `switch`, `firewall`, `load_balancer`, `storage`, `storage_array`, `rack`, `database`, `cloud_resource`, `cloud_service`, `software_product`, `software_installation`, `cloud_account`, `cloud_project`, `cloud_subscription`, `cloud_vpc`, `cloud_subnet`, `cloud_security_group`, `cloud_object_storage`, `cloud_managed_database`, `cloud_kubernetes_cluster`, `cloud_load_balancer`, `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`
CSDM domain `csdmDomain`	select	Read-only Default list field	Assigned automatically from the selected CI class. `foundation`, `ideation_strategy`, `design_planning`, `build_integration`, `service_delivery`, `service_consumption`, `manage_portfolio`

Field	Type or reference	Built-in rules	Choices and constraints
Operational status ciStatus	select	Default list field	Options are tailored to the selected CI class. `operational`, `degraded`, `in_maintenance`, `non_operational`, `retired`
Lifecycle status installStatus	select	Optional by default	Physical lifecycle status. In-stock CIs require a stockroom. `on_order`, `in_stock`, `installed`, `in_maintenance`, `pending_retirement`, `retired`
Environment environment	select	Optional by default	`production`, `staging`, `development`, `test`, `disaster_recovery`
Business criticality criticality	select	Optional by default	`mission_critical`, `high`, `medium`, `low`

Field	Type or reference	Built-in rules	Choices and constraints
Owned by `ownerId`	reference users	Optional by default	—
Managed by `managedById`	reference users	Optional by default	—
Support group assignment `supportGroupId`	reference groups	Optional by default	—
Approval group `approvalGroupId`	reference groups	Optional by default	Members of this group can approve problem remediation and changes for this CI.

Field	Type or reference	Built-in rules	Choices and constraints
Business process owner `businessProcessOwnerId`	reference users	Optional by default	Second-level change approver for changes affecting this CI.
Company `companyId`	reference companies	Optional by default	—
Location `locationId`	reference locations	Optional by default	—
Department `departmentId`	reference departments	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Cost center `costCenterId`	reference `cost_centers`	Optional by default	—
Asset tag `assetTag`	text	Default list field	—
Serial number `serialNumber`	text	Optional by default	—
Manufacturer `manufacturer`	text	Optional by default	—
Model `model`	text	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
discoverySourceId	reference discovery_sources	Optional by default	—
IRERuleId	reference ire_rules	Optional by default	—
discoveryManaged	boolean	Optional by default	Enabled label Managed Disabled label Manual
lastDiscovered	datetime-local	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
`purchaseDate`	date	Optional by default	—
`installDate`	date	Optional by default	—
`warrantyExpiration`	date	Optional by default	—
`retirementDate`	date	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Parent / located in CI `parentLocationCiId`	reference `__cmdb`	Optional by default	Link equipment to its rack, host or logical parent CI. Use the Location reference for the datacenter, building, floor, room and whitespace hierarchy.
Location code `locationCode`	text	Optional by default	—
Data center code `dataCenterCode`	text	Optional by default	—
Data center type `dataCenterType`	select	Read-only	`non_cloud`, `cloud`

Field	Type or reference	Built-in rules	Choices and constraints
Facility / service provider `provider`	text	Optional by default	—
Availability / resilience zone `availabilityZone`	text	Optional by default	—
Room code `roomCode`	text	Optional by default	—
Zone code `zoneCode`	text	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Power capacity (kW) powerCapacityKw	number	Optional by default	—
Cooling capacity (kW) coolingCapacityKw	number	Optional by default	Minimum `0` CI classes `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`
Rack capacity rackCapacity	number	Optional by default	—

Field	Type or reference	Built-in rules	Choices and constraints
Floor number `floorNumber`	text	Optional by default	—
Rack units `rackUnits`	number	Optional by default	—
Application service environment `applicationServiceId`	reference `__application_services`	Optional by default	CI classes `software_environment`

Field	Type or reference	Built-in rules	Choices and constraints
Hardware asset record assetRecordId	reference hardware_assets	Read-only	CI classes `endpoint`, `server`, `network`, `storage`, `rack`, `printer`, `mobile_device`, `peripheral`
Asset lifecycle assetLifecycleState	select	Read-only	`ordered`, `received`, `in_stock`, `allocated`, `in_use`, `operational`, `in_transfer`, `leased`, `reclamation`, `decommissioning`, `decommissioned`, `disposed`, `lost`, `stolen` CI classes `endpoint`, `server`, `network`, `storage`, `rack`, `printer`, `mobile_device`, `peripheral`
Stockroom stockroomId	reference stockrooms	Optional by default	Required when lifecycle status is In stock. CI classes `endpoint`, `server`, `network`, `storage`, `rack`, `printer`, `mobile_device`, `peripheral`

Field	Type or reference	Built-in rules	Choices and constraints
Software product record softwareProductId	reference software_software_products	Read-only	CI classes `software_product, software_installation`
Installed on CI installedOnCiId	reference __cmdb	Read-only	CI classes `software_installation`
Software version / edition installedVersion	text	Read-only	CI classes `software_product, software_installation`

Field	Type or reference	Built-in rules	Choices and constraints
Software publisher publisher	text	Read-only	CI classes `software_product`
Software product name productName	text	Read-only	CI classes `software_product`
License compliance licenseCompliance	select	Read-only	`compliant`, `under_licensed`, `over_licensed`, `unknown` CI classes `software_product`
License s owned licensesOwned	number	Read-only	CI classes `software_product`

Field	Type or reference	Built-in rules	Choices and constraints
Licenses allocated `licensesAllocated`	number	Read-only	CI classes `software_product`
Application type `applicationType`	select	Optional by default	`saas`, `web`, `desktop`, `mobile`, `integration`, `service` CI classes `business_application`
Application version `applicationVersion`	text	Optional by default	CI classes `business_application`
Vendor `vendor`	text	Optional by default	CI classes `business_application`, `server`, `database`, `network`, `endpoint`

Field	Type or reference	Built-in rules	Choices and constraints
Application URL `applicationUrl`	url	Optional by default	CI classes `business_application`
Technology stack `technologyStack`	tag_list	Optional by default	CI classes `business_application`
Data classification `dataClassification`	select	Optional by default	`public`, `internal`, `confidential`, `restricted` CI classes `business_application, database, cloud_resource, cloud_service`

Field	Type or reference	Built-in rules	Choices and constraints
authenticationMethod	select	Optional by default	`sso`, `local`, `oauth`, `service_account`, `certificate`, `none` CI classes `business_application`
Business application	reference __ applications	Optional by default	Every application service must map to one business application CI. CI classes `application_service`
Legacy service offering	text	Optional by default	Historical label/association retained. Use CI service assignments and CSDM services & offerings for governed portfolio mapping. CI classes `application_service, business_service, business_service_offering, technical_service, technical_service_offering`

Field	Type or reference	Built-in rules	Choices and constraints
Service owner serviceOwnerId	reference users	Optional by default	CI classes `application_service, business_service, business_service_offering, technical_service, technical_service_offering`
Service tier serviceTier	select	Optional by default	`tier_0`, `tier_1`, `tier_2`, `tier_3` CI classes `application_service, business_service, business_service_offering, technical_service, technical_service_offering`
Availability target (%) availabilityTarget	number	Optional by default	CI classes `application_service, business_service, business_service_offering, technical_service, technical_service_offering`

Field	Type or reference	Built-in rules	Choices and constraints
Recovery time objective (hours) recoveryTimeObjective	number	Optional by default	CI classes `application_service, business_service, business_service_offering, technical_service, technical_service_offering`
Recovery point objective (hours) recoveryPointObjective	number	Optional by default	CI classes `application_service, business_service, business_service_offering, technical_service, technical_service_offering`

Field	Type or reference	Built-in rules	Choices and constraints
supportHours	select	Optional by default	24x7, business_hours, follow_the_sun, on_call CI classes application_service, business_service, business_service_offering, technical_service, technical_service_offering
hostname	text	Optional by default	CI classes server, virtual_machine, hypervisor, network, router, switch, firewall, endpoint, laptop, desktop, cluster, container, load_balancer
fqdn	text	Optional by default	CI classes server, virtual_machine, hypervisor, network, router, switch, firewall, cluster, load_balancer
operatingSystem	text	Optional by default	CI classes server, virtual_machine, hypervisor, endpoint, laptop, desktop, mobile_device

Field	Type or reference	Built-in rules	Choices and constraints
OS version `osVersion`	text	Optional by default	CI classes `server, virtual_machine, hypervisor, endpoint, laptop, desktop, mobile_device`
CPU count `cpuCount`	number	Optional by default	CI classes `server, virtual_machine, hypervisor, endpoint, laptop, desktop, mobile_device`
Memory (GB) `memoryGb`	number	Optional by default	CI classes `server, virtual_machine, hypervisor, endpoint, laptop, desktop, mobile_device`
Storage (GB) `storageGb`	number	Optional by default	CI classes `server, virtual_machine, hypervisor, endpoint, laptop, desktop, storage, storage_array`

Field	Type or reference	Built-in rules	Choices and constraints
virtualizationVirtualizationType	select	Optional by default	`physical`, `virtual_machine`, `container`, `serverless` CI classes `server, virtual_machine, hypervisor`
ipAddress	text	Optional by default	CI classes `server, virtual_machine, hypervisor, network, router, switch, firewall, endpoint, laptop, desktop, database, load_balancer, cloud_resource`
macAddress	text	Optional by default	CI classes `server, virtual_machine, hypervisor, network, router, switch, firewall, endpoint, laptop, desktop, mobile_device`
databaseEngine	select	Optional by default	`postgresql`, `mysql`, `sql_server`, `oracle`, `mongodb`, `redis`, `alloydb`, `other` CI classes `database`

Field	Type or reference	Built-in rules	Choices and constraints
Database version `databaseVersion`	text	Optional by default	CI classes `database`
Instance name `instanceName`	text	Optional by default	CI classes `database`
Port `port`	number	Optional by default	CI classes `database`
Hosting server / service `hostingServer`	reference `__cmdb`	Optional by default	CI classes `database`

Field	Type or reference	Built-in rules	Choices and constraints
Cluster name clusterName	text	Optional by default	CI classes database
Encryption enabled encrypted	boolean	Optional by default	CI classes database
Backup schedule backupSchedule	text	Optional by default	CI classes database
Device type networkDeviceType	select	Optional by default	router, switch, firewall, load_balancer, wireless_controller, vpn_gateway CI classes network, router, switch, firewall

Field	Type or reference	Built-in rules	Choices and constraints
managementIp	text	Optional by default	CI classes `network`, `router`, `switch`, `firewall`
firmwareVersion	text	Optional by default	CI classes `network`, `router`, `switch`, `firewall`, `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`
networkZone	select	Optional by default	`internet`, `dmz`, `internal`, `restricted`, `management` CI classes `network`, `router`, `switch`, `firewall`
rackLocation	text	Optional by default	CI classes `network`, `router`, `switch`, `firewall`, `server`, `hypervisor`

Field	Type or reference	Built-in rules	Choices and constraints
portCount	number	Optional by default	CI classes `network, router, switch, firewall`
endpointType	select	Optional by default	`laptop`, `desktop`, `mobile`, `tablet`, `thin_client`, `printer` CI classes `endpoint, laptop, desktop, mobile_device`
assignedUserId	reference users	Optional by default	CI classes `endpoint, laptop, desktop, mobile_device`
encryptionStatus	select	Optional by default	`encrypted`, `not_encrypted`, `unknown` CI classes `endpoint, laptop, desktop, mobile_device`

Field	Type or reference	Built-in rules	Choices and constraints
Cloud provider `cloudProvider`	select	Optional by default	`google_cloud`, `aws`, `azure`, `oracle_cloud`, `ibm_cloud`, `alibaba_cloud`, `private_cloud`, `other` CI classes `cloud_resource, cloud_service, cloud_data_center`
Account / project / subscription ID `cloudAccountId`	text	Optional by default	CI classes `cloud_resource, cloud_service, cloud_data_center`
Region `cloudRegion`	text	Optional by default	CI classes `cloud_resource, cloud_service, cloud_data_center`
Resource ID `cloudResourceId`	text	Optional by default	CI classes `cloud_resource, cloud_service, cloud_data_center`

Field	Type or reference	Built-in rules	Choices and constraints
Cloud service type `cloudServiceType`	text	Optional by default	CI classes `cloud_resource, cloud_service, cloud_data_center`
Resource state `cloudResourceState`	select	Optional by default	`running`, `stopped`, `suspended`, `provisioning`, `deleted` CI classes `cloud_resource, cloud_service, cloud_data_center`
Cluster type `clusterType`	select	Optional by default	`kubernetes`, `database`, `compute`, `high_availability`, `other` CI classes `cluster`
Node count `nodeCount`	number	Optional by default	CI classes `cluster`

Field	Type or reference	Built-in rules	Choices and constraints
containerImage	text	Optional by default	CI classes `container`
namespace	text	Optional by default	CI classes `container`
loadBalancerType	select	Optional by default	`application`, `network`, `gateway`, `global`, `internal` CI classes `load_balancer`
storageType	select	Optional by default	`block`, `object`, `file`, `database`, `backup` CI classes `storage`, `storage_array`

Field	Type or reference	Built-in rules	Choices and constraints
Capacity (GB) `capacityGb`	number	Optional by default	CI classes `storage, storage_array`
Legacy business services `businessServices`	list_collector `__business_services`	Optional by default	Historical label/association retained. Use CI service assignments and CSDM services & offerings for governed portfolio mapping.
Legacy technical services `technicalServices`	list_collector `__technical_services`	Optional by default	Historical label/association retained. Use CI service assignments and CSDM services & offerings for governed portfolio mapping.

Field	Type or reference	Built-in rules	Choices and constraints
Legacy application services applicationServices	list_collector __application_services	Optional by default	Historical label/association retained. Use CI service assignments and CSDM services & offerings for governed portfolio mapping.
Legacy supporting configuration items supportingCis	list_collector __cmdb	Optional by default	Infrastructure or non-application CIs supporting this service.

Field	Type or reference	Built-in rules	Choices and constraints
Created `createdAt`	text	Read-only Default list field	—
Updated `updatedAt`	text	Read-only	—
Customer account `dcAccountId`	reference [customer_accounts](#)	Optional by default	—
Rated power (kW) `ratedPowerKw`	number	Optional by default	Minimum `0`

Field	Type or reference	Built-in rules	Choices and constraints
Supply voltage `voltage`	number	Optional by default	Minimum `0`
Electrical phases `phases`	number	Optional by default	Minimum `0`
Rated capacity (kVA) `capacityKva`	number	Optional by default	Minimum `0`
Power feed A/B `powerFeed`	text	Optional by default	—

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.

Related procedure: Model and reconcile configuration items.

Verification evidence

The disposable audit exercised 60 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

Role	HTTP status
Customer service manager	200
Datacenter Customer	403
Datacenter Fulfiller	200
Datacenter Manager	200
Datacenter Vendor	403
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.