

N-CENTRAL MCP SERVER

User Guide

A reference to every tool, what it does, and what it can change.

N-central server version	2026.3.0.6
MCP API service version	1.3.18
JVM version	21.0.10
Total tools available	82
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About this guide

The N-central Model Context Protocol (MCP) server gives AI assistants and automation tools structured access to your N-central RMM environment. Instead of crafting raw REST calls, the assistant calls named tools — `list_devices`, `add_device_note`, `create_customer`, and so on — and the MCP server takes care of authentication, pagination, and response shaping behind the scenes.

This guide catalogues every tool currently exposed by the MCP server, groups them by what they do, and tells you at a glance whether each tool can read, create, modify or delete items in N-central.

How to read the tool tables

Every tool in this guide has a capability badge:

- **READ** — the tool retrieves information. It cannot change anything in N-central. Safe to call any time.
- **CREATE** — the tool creates a new object (a customer, a note, a maintenance window, a ticket, a download link).
- **MODIFY** — the tool changes existing data. Includes both partial (PATCH) and full (PUT) updates.
- **DELETE** — the tool removes or invalidates something. Currently the only tool with this capability is `logout`, which destroys the API session.

*Some tools combine capabilities — for example, `create_user_role` is **CREATE**, while `update_org_unit_limits` is **MODIFY** only. Tools marked **PREVIEW** in their description may change in a future release.*

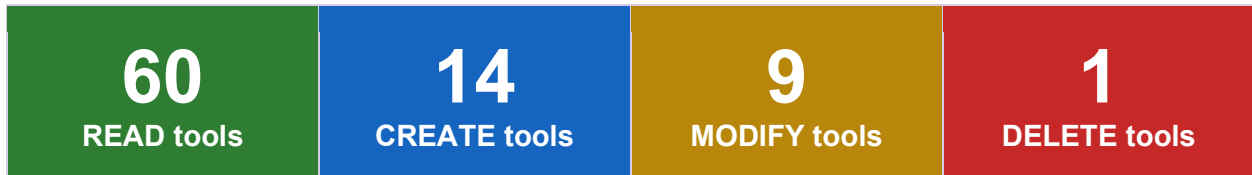
What's not yet possible

Looking at the current toolset, a few capabilities that you might expect are not exposed:

- There are no **DELETE** tools for business objects (no `delete_customer`, `delete_device`, `delete_user`, `delete_note`, `delete_site`, etc.). Removals must still be performed in the N-central UI.
- There are no tools to create or modify users directly. You can create user roles and access groups, but the user accounts themselves are read-only through the MCP.
- Bulk operations are limited to `add_notes_bulk`, `create_maintenance_windows`, `update_maintenance_windows`, and the two `report_*` fan-out helpers.

Capability summary

Across all 84 tools documented in this guide, the breakdown by capability is:



(Tools can have more than one capability; the percentages add up to more than the unique tool count.)

Tools by category

Category	Tools	Mutating?
System & Session	7	Yes
Organization Hierarchy	16	Yes
Devices	13	Yes
Device Notes	4	Yes
Custom Properties	9	Yes
Users, Roles & Access Groups	10	Yes
Scheduled Tasks & Maintenance Windows	9	Yes
Monitoring & Issues	1	Read only
Custom PSA Tickets	3	Yes
PSA Integration Mappings	7	Yes
Software & Installation	3	Yes
Reports	2	Yes

Tool catalogue

System & Session

Server information, authentication state, and session control. Use these to confirm the server version, check connectivity, or end your API session.

Tool	What it does	Capability
<code>get_server_info</code>	Return basic API version information about the N-central server.	READ
<code>get_server_info (level=health)</code>	Return uptime and start-time for the API service.	READ
<code>get_server_info (level=extra)</code>	Return deployment and UI product versions for the N-central server.	READ
<code>get_server_info_authenticated</code>	Return extra server version information using supplied credentials (for third-party system versions).	READ
<code>get_server_time</code>	Retrieve the N-central server's current time. Useful for detecting clock drift.	READ
<code>get_current_user</code>	Retrieve details for the currently authenticated user ("who am I").	READ
<code>logout</code>	Log out the current session, invalidating access and refresh tokens.	DELETE

Organization Hierarchy

Service Organizations, Customers, and Sites. Read the structure, create new SOs/customers/sites, and inspect their relationships.

Tool	What it does	Capability
<code>list_service_orgs</code>	Retrieve a list of all Service Organizations on the server.	READ
<code>get_service_org</code>	Retrieve a specific Service Organization by ID.	READ
<code>create_service_org</code>	Create a new Service Organization.	CREATE
<code>list_customers</code>	Retrieve a list of customers.	READ
<code>get_customer</code>	Retrieve a specific customer by ID.	READ
<code>create_customer</code>	Create a new customer under a Service Organization.	CREATE

Tool	What it does	Capability
<code>list_sites</code>	Retrieve a list of sites.	READ
<code>get_site</code>	Retrieve a specific site by ID.	READ
<code>create_site</code>	Create a new site under a customer (PREVIEW endpoint — schema may change).	CREATE
<code>list_org_units</code>	Retrieve a list of all organization units (any level).	READ
<code>get_org_unit</code>	Retrieve a specific organization unit by ID.	READ
<code>list_org_unit_children</code>	Retrieve a list of all child organization units for a given org unit.	READ
<code>get_org_unit_limits</code>	Retrieve licensing/usage limits for an organization unit.	READ
<code>update_org_unit_limits</code>	Update licensing/usage limits for an organization unit (PATCH).	MODIFY
<code>report_org_hierarchy</code>	Generate a flat CSV/JSON of the full SO → Customer → Site hierarchy.	READ
<code>report_customer_site_summary</code>	Summary report: all customers with their sites and device counts.	READ

Devices

Discover, inspect, and add devices. Includes device-level reporting helpers.

Tool	What it does	Capability
<code>list_devices</code>	Retrieve all devices visible to the logged-in user. Supports pagination, filtering and CSV output.	READ
<code>list_devices_by_org_unit</code>	Retrieve devices belonging to a specific organization unit.	READ
<code>get_device</code>	Retrieve a specific device by its ID.	READ
<code>create_device</code>	Add a new device to N-central.	CREATE
<code>get_device_status</code>	Retrieve the status of service-monitoring tasks for a given device.	READ
<code>get_device_assets</code>	Retrieve asset information for a device.	READ
<code>get_device_lifecycle</code>	Retrieve asset lifecycle (warranty) information for a device.	READ

Tool	What it does	Capability
<code>patch_device_lifecycle</code>	Partially update asset lifecycle/warranty information (only provided fields change).	MODIFY
<code>update_device_lifecycle</code>	Replace asset lifecycle/warranty information (PUT — all required fields).	MODIFY
<code>get_device_activation_key</code>	Generate an activation key for a device.	CREATE
<code>list_device_filters</code>	Retrieve the list of saved device filters.	READ
<code>report_devices_by_so</code>	Generate a full device report for all devices under a Service Organization.	READ
<code>report_devices_bulk</code>	Fan out a per-device API call across all devices in an org unit (assets, custom-properties, monitor-status).	READ

Device Notes

Free-text notes attached to a device. Read, add and update. Note: see the "Known Limitations" section regarding `userId`.

Tool	What it does	Capability
<code>list_device_notes</code>	Retrieve all notes attached to a specific device.	READ
<code>add_device_note</code>	Add a note to a specific device.	CREATE
<code>add_notes_bulk</code>	Add the same note to a list of devices in one call.	CREATE
<code>update_device_note</code>	Update an existing note on a device by note ID.	MODIFY

Custom Properties

Read and write custom property values on devices and organization units, plus their org-level defaults.

Tool	What it does	Capability
<code>list_device_custom_properties</code>	Retrieve all custom properties for a specific device.	READ
<code>get_device_custom_property</code>	Retrieve a specific custom property for a device.	READ
<code>update_device_custom_property</code>	Update a custom property value on a device.	MODIFY
<code>get_device_default_custom_property</code>	Retrieve the default device custom property by organization unit.	READ

Tool	What it does	Capability
<code>list_org_custom_properties</code>	List custom properties for an organization unit.	READ
<code>get_org_unit_property</code>	Retrieve a specific custom property for an organization unit.	READ
<code>update_org_unit_custom_property</code>	Update a custom property value on an org unit (SO, customer, or site).	MODIFY
<code>get_org_custom_property_default</code>	Retrieve the default value for an org-unit custom property.	READ
<code>update_org_custom_property_default</code>	Update the default value and optionally propagate it.	MODIFY

Users, Roles & Access Groups

Read users, roles and access groups. Create new roles and access groups. User accounts themselves are not yet creatable through the MCP.

Tool	What it does	Capability
<code>list_users</code>	Retrieve the list of users for a specific organization unit.	READ
<code>list_all_users</code>	Retrieve a global list of all users in N-central.	READ
<code>report_all_users_by_so</code>	Generate a deduplicated user report for all customers under a Service Organization.	READ
<code>list_user_roles</code>	Retrieve user roles for a given organization unit.	READ
<code>get_user_role</code>	Retrieve a specific user role.	READ
<code>create_user_role</code>	Create a new user role for an organization unit (PREVIEW).	CREATE
<code>list_access_groups</code>	Retrieve access groups for a specific organization unit.	READ
<code>get_access_group</code>	Retrieve detailed information for a specific access group.	READ
<code>create_access_group</code>	Create a new organization-unit-type access group.	CREATE
<code>create_device_access_group</code>	Create a new device-type access group.	CREATE

Scheduled Tasks & Maintenance Windows

Inspect scheduled tasks and appliance jobs, and manage patch maintenance windows on devices.

Tool	What it does	Capability
<code>list_scheduled_tasks</code>	List all scheduled tasks across the N-central environment.	READ
<code>list_device_tasks</code>	Retrieve scheduled tasks for a specific device.	READ
<code>get_scheduled_task</code>	Retrieve general information for a given scheduled task.	READ
<code>get_scheduled_task_status</code>	Retrieve status for a given scheduled task.	READ
<code>get_appliance_task</code>	Retrieve appliance-task information by task ID.	READ
<code>list_job_statuses</code>	List job statuses for an organization unit.	READ
<code>get_maintenance_windows</code>	Retrieve all maintenance windows for a specific device.	READ
<code>create_maintenance_windows</code>	Add a set of patch maintenance windows to a list of devices.	CREATE
<code>update_maintenance_windows</code>	Modify existing device patch maintenance windows by ScheduleId.	MODIFY

Monitoring & Issues

Read active issues across the environment.

Tool	What it does	Capability
<code>list_active_issues</code>	List active issues for an organization unit.	READ

Custom PSA Tickets

Create and inspect tickets that use the built-in Custom PSA integration.

Tool	What it does	Capability
<code>list_custom_psa_tickets</code>	List Custom PSA tickets.	READ
<code>get_custom_psa_ticket_detail</code>	Retrieve detailed information for a specific Custom PSA ticket.	READ
<code>create_custom_psa_ticket</code>	Create a new Custom PSA ticket.	CREATE

PSA Integration Mappings

Map and validate Professional Services Automation integrations (Standard PSA).

Tool	What it does	Capability
<code>get_psa_customer_mapping</code>	Retrieve PSA customer mapping for a given customer.	READ
<code>list_psa_customer_mappings</code>	List all Standard PSA mappings for a customer.	READ
<code>update_psa_customer_mappings</code>	Update Standard PSA mappings for a customer.	MODIFY
<code>list_psa_companies</code>	List Standard PSA companies associated with a customer.	READ
<code>list_psa_company_contacts</code>	List PSA company contacts for a customer.	READ
<code>list_psa_company_sites</code>	List PSA company sites for a customer.	READ
<code>validate_psa_credential</code>	Validate Standard PSA credentials for a given PSA type.	READ

Software & Installation

Generate agent installer links for customers and devices.

Tool	What it does	Capability
<code>get_software_installers</code>	Retrieve software installer download URLs for a customer.	READ
<code>generate_software_download_link</code>	Generate a software download link for a customer.	CREATE
<code>get_registration_token</code>	Retrieve the registration token for a site, organization unit, or customer.	READ

Reports

Generate and retrieve N-central reports.

Tool	What it does	Capability
<code>get_report</code>	Retrieve an N-central report by its report ID.	READ
<code>generate_patch_comparison_report</code>	Submit a request to generate a patch comparison report.	CREATE

Known limitations

This section captures behaviours that the MCP exposes today but that may not work as the descriptions suggest. Mention these to whoever maintains the MCP server if they affect your work.

Device-note creation requires a `userId` the schema doesn't expose

Both `add_device_note` and `add_notes_bulk` currently fail server-side with HTTP 400 BAD REQUEST: `userId` — User ID is required. The tool descriptions claim the note is automatically attached to the authenticated user, but the underlying API rejects the call when `userId` is not in the payload, and the tool schemas do not expose `userId` as a parameter.

Workaround: add notes manually in the N-central UI, or call the underlying REST API directly with the `userId` in the body until the MCP is updated.

No DELETE tools for business objects

Logout aside, the MCP has no tools for removing customers, sites, devices, users, notes, maintenance windows, tickets, or roles. Anything you create through the MCP can only be deleted in the N-central web UI.

PREVIEW endpoints

`create_site`, `create_user_role`, and a small number of others are marked PREVIEW in the upstream N-central API. Their request and response shapes may change in future N-central releases without notice.

Bulk endpoints have stricter validation

Tools that take an array of device IDs (`add_notes_bulk`, `create_maintenance_windows`, `update_maintenance_windows`) validate that the array is non-empty and that every ID resolves. Partial failures on `create_maintenance_windows` are returned as per-device statuses in the response — inspect carefully rather than relying on the top-level status code.

Tips for productive use

- Start with `report_org_hierarchy` when you're new to an environment — it gives you a single readable map of every SO, customer and site with their IDs.
- Use `list_devices` with `all: true` to paginate automatically. For larger environments use `list_devices_by_org_unit` to scope first.
- Many `list_*` tools accept a select filter using FIQL/RSQL syntax (for example `sold==50`). Despite the parameter name, it filters rows, it does not pick fields.
- Reports usually default to CSV — pass `format: "json"` when you want machine-readable output instead.
- If a tool returns 401 unexpectedly, your session has expired. Call `logout` to clean up, and the next tool call will trigger a fresh JWT exchange automatically.