

MODEL CONTEXT PROTOCOL · CAPABILITY OVERVIEW

# Qlik MCP

## What Can It Do?

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Connecting your AI assistant directly to Qlik Cloud —  
ask questions, build dashboards, generate glossaries and more.

Search & Discover

Natural Language Q&A

Script Understanding

Build Dashboards

Business Glossaries

# EXECUTIVE SUMMARY

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Qlik MCP (Model Context Protocol) bridges your AI assistant — such as Claude — directly with Qlik Cloud. Instead of navigating apps and sheets manually, you simply describe what you want in plain language. MCP translates your intent into Qlik actions: searching data, building charts, generating glossaries, and answering questions — all from a single conversation.



01

## Search & Discover

Find apps, datasets and data products instantly using natural language keywords.



02

## Natural Language Q&A

Ask business questions without opening Qlik — get answers directly in your AI chat.



03

## Script & Expression Help

Paste any Qlik expression or load script and get plain-language explanations.



04

## Build Dashboards

Create sheets, KPIs, charts and filters from conversational prompts.



05

## Business Glossaries

Generate governed glossaries, terms and categories linked to your data assets.

# CAPABILITY 1 · SEARCH & DISCOVER

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## Find What You Need — Instantly

MCP connects your AI to all your Qlik Cloud resources. Search across apps, datasets, data products and spaces using plain language — no browsing, no navigation, no filters to configure.



Apps by name, description, or content



Datasets and data products across spaces



Spaces — shared, managed, personal



Users and team members in your tenant



Glossary terms and business definitions

### EXAMPLE

Find all apps related to SAP Procurement

Found 2 apps:

- SAP Procurement (Demo\_AI\_Shared)
- Hein Procurement (Demo\_AI\_Shared)

Search for defect datasets

Found 3 datasets with defect data in your accessible spaces.

Tools used: `qlik_search` · `qlik_search_spaces` · `qlik_search_users`

## Ask Business Questions in Plain English

Instead of building charts or navigating sheets, simply ask questions. MCP queries your Qlik data live and returns answers, tables, and insights — right inside your AI chat interface.

Q

**What are the top 10 most defective products by volume?**

*Answer*

Returns a ranked table: Screw (2,808), Slug for spiral casing (2,552), Flatscreen MS 1460P (2,545)...

Q

**Which vendors have the highest defect rate?**

*Answer*

BAR SPA (0.178%), Emma Sonnett SE (0.176%), Ralph CANDOR B.V. (0.174%)...

Q

**Show me total defects and cost of goods by year**

*Answer*

2017 peaked at 82,107 defects. CoG ranged from \$8.7B (2020) to \$28.5B (US entity)...

# CAPABILITY 3 · SCRIPT & EXPRESSION UNDERSTANDING

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## Demystify Qlik Expressions & Load Scripts

MCP can inspect the app's master items, measures and fields — and your AI can explain complex Qlik expressions, set analysis, or load script logic in plain language.

- ✓ Set Analysis expressions
- ✓ Load script table joins
- ✓ Aggr() and nested calculations
- ✓ Master item definitions
- ✓ YTD / PY comparative measures
- ✓ Field relationships and keys

### Expression

```
Sum(  
  {<[POSTING_DATE.autoCalendar.Year]=  
    {'$(=max(year([POSTING_DATE  
      .autoCalendar.Year])))'}  
  >} [Defects]  
)
```

### Plain Language Explanation

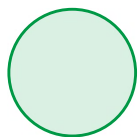
This expression calculates the sum of Defects filtered to the current year only. It uses Qlik's autoCalendar to dynamically determine the maximum (most recent) year in the data — meaning it always shows the current year's defect total without needing manual date updates.

# CAPABILITY 4 • BUILD DASHBOARDS & VISUALIZATIONS

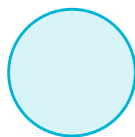
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## From Conversation to Dashboard — In Seconds

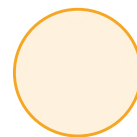
Describe what you want to see and MCP creates sheets, KPI tiles, charts and filters directly in your Qlik Cloud app — using governed master items automatically.



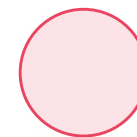
**KPI**  
Key metric tiles



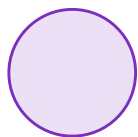
**Bar Chart**  
Volume comparisons



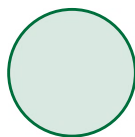
**Line Chart**  
Trends over time



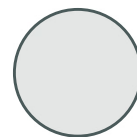
**Combo Chart**  
Dual-axis analysis



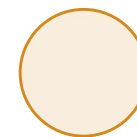
**Treemap**  
Hierarchical drill-down



**Scatter Plot**  
Correlation & outlier detection



**Pivot Table**  
Multi-dim cross-analysis



**Filter Pane**  
Interactive selections

Tools used: `qlik_create_sheet` · `qlik_add_chart` · `qlik_add_filter` · `qlik_list_dimensions` · `qlik_list_measures`

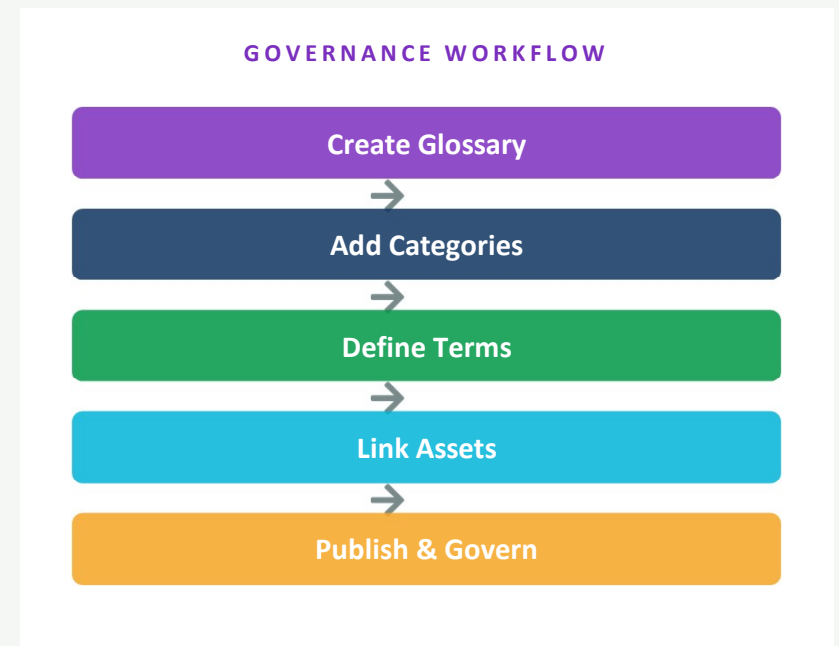
# CAPABILITY 5 · BUSINESS GLOSSARIES

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## Build a Governed Data Dictionary – Conversationally

Create and manage business glossaries, categories, terms, and links to data assets — all through natural language prompts. No manual UI navigation required.

|                             |                                                   |
|-----------------------------|---------------------------------------------------|
| <b>Create Glossary</b>      | Instantiate a new business glossary for a domain  |
| <b>Add Categories</b>       | Organise terms into categories and sub-categories |
| <b>Define Terms</b>         | Write business definitions for KPIs and fields    |
| <b>Manage Relationships</b> | Link terms as synonyms, antonyms, or hierarchies  |
| <b>Link to Data Assets</b>  | Attach terms to apps, datasets, fields, measures  |
| <b>Update Term Status</b>   | Draft → Under Review → Approved workflow          |



Tools used: `qlik_create_glossary` · `qlik_create_glossary_category` · `qlik_create_glossary_term` · `qlik_create_glossary_term_links` · `qlik_update_term_status`

# BONUS CAPABILITIES · DATA PRODUCTS, LINEAGE & QUALITY

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## Beyond the Core Five — MCP Goes Deeper



### Data Products

- ✓ Create, update, activate/deactivate data products
- ✓ Move data products between spaces
- ✓ Get data product documentation



### Dataset Intelligence

- ✓ View dataset schema, profile and sample rows
- ✓ Check data freshness and last-updated timestamp
- ✓ Get trust scores and quality computation status



### Data Lineage

- ✓ Trace end-to-end lineage for datasets and apps
- ✓ Understand upstream sources and downstream consumers
- ✓ Identify data flow across your tenant



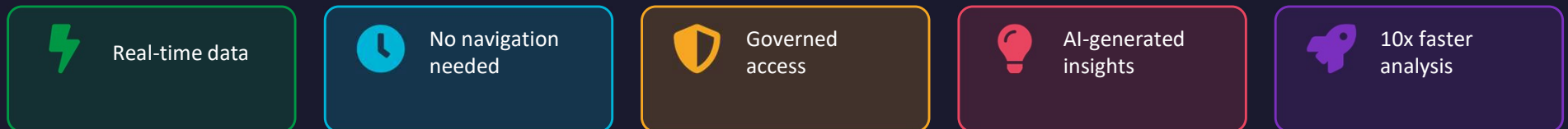
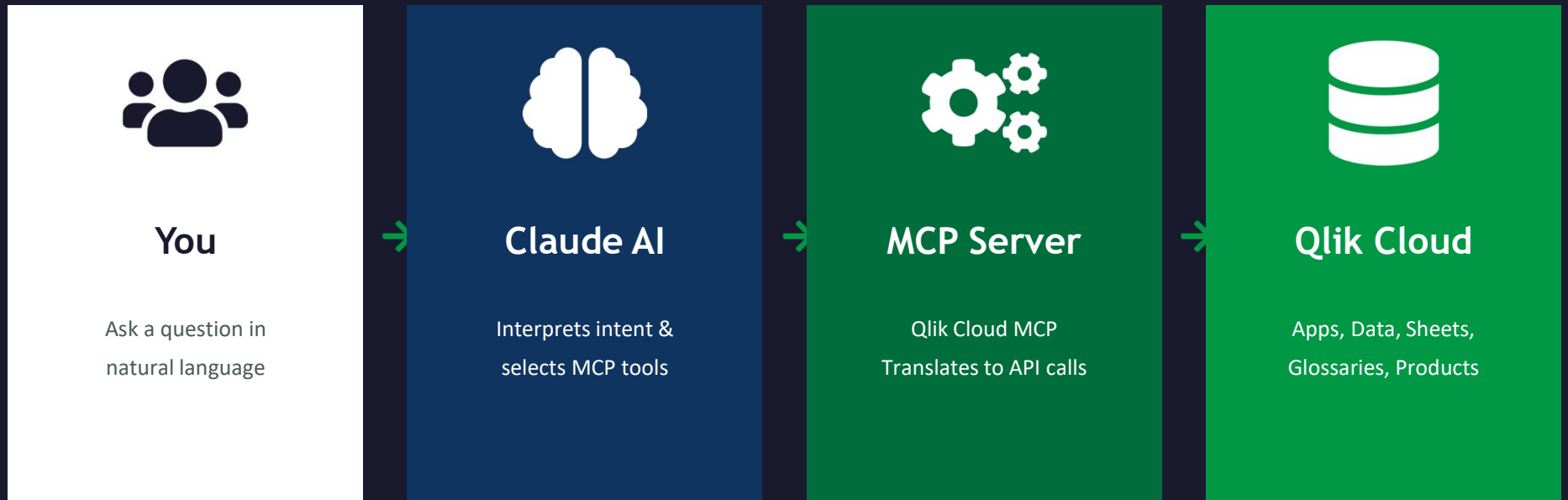
### Quality & Governance

- ✓ Trigger data quality computations on demand
- ✓ Update dataset metadata, tags and descriptions
- ✓ Get quality scores and resolve data health issues

Tools used: `qlik_get_lineage` · `qlik_get_dataset_profile` · `qlik_get_dataset_quality_computation_status` · `qlik_create_data_product` · `qlik_update_dataset_quality`

# HOW IT ALL CONNECTS · MCP ARCHITECTURE

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# Start Using Qlik MCP Today

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1

## Connect your AI client

Add the Qlik MCP endpoint to Claude or your preferred LLM tool. Authenticate via OAuth.

2

## Start asking questions

Ask about your data, request charts, query field values — all in plain language.

3

## Build and govern

Create dashboards, glossaries, data products and insights — without leaving the chat.