

Version 1.3.1

ADVANCED COMMUNITIES SALESFORCE MCP SERVER

AI-Powered Salesforce Integration via Model Context Protocol

Enable AI assistants to interact with Salesforce organizations through powerful tools for Apex execution, data queries, object management, and comprehensive org administration.

36+

AVAILABLE
TOOLS

5+

AI CLIENTS
SUPPORTED

MIT

OPEN
SOURCE
LICENSE

1.3.1

LATEST
VERSION

KEY FEATURES



Apex Execution

Execute anonymous Apex code, run test classes, and analyze code coverage directly from your AI assistant with comprehensive debug log access.



Data Querying

Query Salesforce data using SOQL and SOSL, export results to CSV/JSON, and perform text searches across multiple objects seamlessly.



Schema Management

Generate custom objects, fields, and tabs. List and describe all metadata types and objects with comprehensive schema information.



Security & Permissions

Manage user permissions, assign permission sets, and enforce org access controls with built-in security features and read-only modes.



Package Management

Install and uninstall second-generation packages with configurable upgrade types and installation keys for protected packages.



Code Analysis

Comprehensive static code analysis with PMD, ESLint, and Salesforce Graph Engine for security vulnerabilities and code quality.

Quick Installation



NPM Installation (Recommended)

The easiest way to get started - no building required!

```
npx @advanced-communities/salesforce-mcp-server
```

Benefits: Latest version, automatic updates, zero configuration



Desktop Extension (DXT)

One-click installation for fully managed experience

1. Download `salesforce-mcp-server.dxt`
2. Double-click to install
3. Auto-configured in AI client

Benefits: Managed dependencies, automatic configuration



Build from Source

For development and customization needs

```
git clone https://github.com/advancedcommunities/salesforce-mcp-server.git
cd salesforce-mcp-server
npm install && npm run build
```

Benefits: Full control, customization options

SUPPORTED AI CLIENTS



Claude Desktop

Official Claude desktop application with seamless MCP integration and configuration through JSON settings.



Claude Code

Advanced coding assistant with terminal integration and comprehensive development workflow support.



VS Code Copilot

Integrated directly into Visual Studio Code for development workflow enhancement and code assistance.



Cursor

AI-powered code editor with built-in MCP support for enhanced development productivity.

36+ AVAILABLE TOOLS

Comprehensive toolkit organized by category for complete Salesforce management and automation

Apex Development & Testing

Execute Anonymous Apex

Run Apex code directly in your org with comprehensive debug output and error handling

Run Apex Tests

Execute test classes synchronously or asynchronously with code coverage collection

Get Apex Test Results

Retrieve detailed results from previous asynchronous test runs with coverage data

Get Apex Code Coverage

Monitor org-wide coverage percentage or coverage from specific test runs

Generate Apex Class

Generate Apex class files with associated metadata in proper directory structure

Generate Apex Trigger

Create trigger files with metadata for any Salesforce object and event

List Apex Debug Logs

Fetch and view all available Apex debug logs from your org

Get Apex Debug Logs

Retrieve specific debug logs or recent logs with detailed execution traces

Data Querying & Search

Query Records (SOQL)

Execute SOQL queries with SELECT, WHERE, ORDER BY, and LIMIT clauses on any object

Query Records to File

Execute SOQL queries and export results to CSV or JSON files automatically

Search Records (SOSL)

Perform text-based searches across multiple objects simultaneously with SOSL

Schema & Object Management

List All Objects

Retrieve all standard and custom objects available in your Salesforce org

Describe Objects

Get detailed metadata about objects including fields, relationships, and properties

Generate Custom Fields

Create metadata source files for new custom fields on any object

Generate Custom Objects

Generate complete custom object metadata with configurable features

Generate Custom Tabs

Create custom tabs for objects with configurable icons and navigation

Organization Management

List Connected Orgs

View all Salesforce orgs currently authenticated with the Salesforce CLI

Login to Orgs

Authenticate to production or sandbox orgs via web browser OAuth flow

Logout from Orgs

Remove authentication from specific orgs or all connected orgs

Open Org in Browser

Launch specific org pages, Lightning Experience, or Visualforce pages

Display User Info

Show user details including profile, org ID, access token, and instance URL

Record Operations

Open Records

Navigate directly to specific Salesforce records in the browser

Create Records

Insert new records into any object using the REST API with field validation

Update Records

Modify existing records with specified field values via REST API

Delete Records

Remove records from your org using REST API with confirmation

Administration & Security

Assign Permission Sets

Grant permission sets to single or multiple users with bulk operations

Assign Permission Set Licenses

Assign permission set licenses to enable additional features for users

Check Server Permissions

View current server access controls and allowed org configurations

Metadata Management

List Metadata Components

Retrieve metadata components by type with filtering and folder support

List Metadata Types

Display all available metadata types in your org for package.xml creation

Package Management

Install Packages

Install or upgrade package versions with installation keys and upgrade options

Uninstall Packages

Remove second-generation packages from target orgs with wait options

Code Analysis & Security

Run Code Analyzer

Comprehensive static analysis with configurable rules for code quality

List Code Analyzer Rules

Browse available analysis rules by engine, severity, category, and tags

Security Scanner

Multi-engine scanning with PMD, ESLint, retire-js for vulnerabilities

Data Flow Analysis

Advanced security analysis with Salesforce Graph Engine for injection attacks

[NPM PACKAGE](#)

[GITHUB REPOSITORY](#)

[RELEASES](#)

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Empowering AI assistants to work seamlessly with Salesforce through the Model Context Protocol