

Claude-Skills-



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- A
- BYAML Frontmatter
- C Skill



Skill —— Claude Skills Claude

Skills Claude

Skills — Skill



- Skills
- Skill MCP
-
- Skills



- Claude

- `[[ Claude ]]`
- `[ ] Claude [ ]`

`[ ]`

`[ ] Skills[ ] 1-2 [ ] MCP [ ]Skills + MCP[ ] 3 [ ]`

`[ ] Skill[ ] skill-creator [ ] Skill [ ] 15-30 [ ]`

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`[ ] Skill[ ]`

Skill `[ ]`

- **SKILL.md**`[ ]` YAML frontmatter `[ ]` Markdown `[ ]`
- **scripts/**`[ ]`Python`[ ]`Bash `[ ]`
- **references/**`[ ]`
- **assets/**`[ ]`

`[ ][ ][ ][ ][ ]`

`[ ] Progressive Disclosure[ ]`

Skills `[ ]`

- `[ ]YAML frontmatter[ ]` Claude `[ ]` Claude `[ ]` Skill`[ ]`
- `[ ]SKILL.md[ ]` Claude `[ ]` Skill `[ ]`
- `[ ]Skill[ ]` Claude `[ ]`

`[ ]` token `[ ]`

`[ ] Composability[ ]`

Claude `[ ]` Skills`[ ]` Skill `[ ]` Skills `[ ]`

`[ ] Portability[ ]`

MCP Skills +

“ MCP Skills—

MCP Skills Claude

MCP

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Claude	Claude

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Skill 2-3



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Skill

Anthropic

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front-end-design skill docx pptx xlsx ppt Skills

" Web artifact"



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skillcreator skill

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- 3 □□MCP □□

sentry-code-review skill Sentry

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目录

- Skill 90% 技能
 - 技能 10-20 技能 Skill 技能 vs. 技能
- X 技能
 - 技能 Skill 技能 token 技能
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 - 技能
- 技能
 - 技能 3-5 技能
- 技能
 - 技能

目录

目录

```
your-skill-name/  
├─ SKILL.md          # 技能—技能 Skill 技能  
├─ scripts/          # 技能—技能  
|   ├─ process_data.py  # 技能  
|   └─ validate.sh     # 技能  
├─ references/        # 技能—技能  
|   ├─ api-guide.md    # 技能  
|   └─ examples/       # 技能  
└─ assets/            # 技能—技能  
    └─ report-template.md # 技能
```

目录

SKILL.md 技能

- SKILL.md 技能
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Skill 技能

- `kebab-case: notion-project-setup`
- `Notion Project Setup`
- `notion_project_setup`
- `NotionProjectSetup`

README.md

- Skill README.md
- SKILL.md references/
- GitHub README——

YAML Frontmatter

YAML frontmatter Claude Skill

```
---
name: your-skill-name
description: What it does. Use when user asks to [specific phrases].
---
```

name

- kebab-case
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description

- - Skill
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- 1024
- XML<>
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license

- Skill
- MIT Apache-2.0

compatibility

- 1-500
-

metadata

-
- author version mcp-server
-

metadata:

author: ProjectHub
version: 1.0.0 mcp-server: projecthub

Frontmatter

- XML
- "claude" "anthropic" Skills

Frontmatter Claude

Skills

Description

Anthropic " ". Claude Skill" "

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description

description: Analyzes Figma design files and generates
developer handoff documentation. Use when user uploads .fig

files, asks for "design specs", "component documentation", or "design-to-code handoff".

📅—📅📅📅📅

description: Manages Linear project workflows including sprint planning, task creation, and status tracking. Use when user mentions "sprint", "Linear tasks", "project planning", or asks to "create tickets".

📅—📅📅📅📅

description: End-to-end customer onboarding workflow for PayFlow. Handles account creation, payment setup, and subscription management. Use when user says "onboard new customer", "set up subscription", or "create PayFlow account".

📅 **description** 📅📅

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description: Helps with projects.

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description: Creates sophisticated multi-page documentation systems.

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description: Implements the Project entity model with hierarchical relationships.

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📅 frontmatter 📅📅 Markdown 📅📅📅

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📅📅 Skill 📅📅📅📅📅📅📅📅📅📅📅

```
---
name: your-skill
description: [...]
---
```

Your Skill Name

Instructions

Step 1: [First Major Step]

Clear explanation of what happens.

```
```bash
python scripts/fetch_data.py --project-id PROJECT_ID
Expected output: [describe what success looks like]
```
```

(Add more steps as needed)

Examples

Example 1: [common scenario]

User says: "Set up a new marketing campaign"

Actions:

1. Fetch existing campaigns via MCP
2. Create new campaign with provided parameters

Result: Campaign created with confirmation link

(Add more examples as needed)

Troubleshooting

Error: [Common error message]

Cause: [Why it happens]

Solution: [How to fix]

(Add more error cases as needed)



Run ``python scripts/validate.py --input {filename}`` to check data format.

If validation fails, common issues include:

- Missing required fields (add them to the CSV)
- Invalid date formats (use YYYY-MM-DD)



Validate the data before proceeding.



Common Issues

MCP Connection Failed

If you see "Connection refused":

1. Verify MCP server is running: Check Settings > Extensions
2. Confirm API key is valid
3. Try reconnecting: Settings > Extensions > [Your Service] > Reconnect



Before writing queries, consult ``references/api-patterns.md`` for:

- Rate limiting guidance
- Pagination patterns
- Error codes and handling





Skills

- ☐ **Claude.ai**
- ☐ **Claude Code**
- ☐ **Skills API**

Skill Skill Skill

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Skill Claude Skill Claude



Skills

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- "Help me set up a new ProjectHub workspace"

- "I need to create a project in ProjectHub"

- "Initialize a ProjectHub project for Q4 planning"

- "What's the weather in San Francisco?"

- "Help me write Python code"

- "Create a spreadsheet" (unless ProjectHub skill handles sheets)

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Test: Create project with 5 tasks

Given: Project name "Q4 Planning", 5 task descriptions

When: Skill executes workflow

Then:

- Project created in ProjectHub
- 5 tasks created with correct properties
- All tasks linked to project
- No API errors

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Without skill:

- User provides instructions each time
- 15 back-and-forth messages
- 3 failed API calls requiring retry
- 12,000 tokens consumed

With skill:

- Automatic workflow execution
- 2 clarifying questions only
- 0 failed API calls
- 6,000 tokens consumed

skill-creator Skill

Anthropic `skill-creator` Skill Skills MCP 2-3 Skill-

Skills

- Skills
- frontmatter SKILL.md
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Skills

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- Skill

- Skill skill-creator
- "Use the issues & solution identified in this chat to improve how the skill handles [specific edge case]"

"Use the skill-creator skill to help me build a skill for [your use case]"

skill-creator Skills

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Skills

1.  Skill 
2.        
3.  Claude.ai  Settings > Capabilities > Skills 
4.    Claude Code skills 

Skills

- Skills 2025 12 18
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API Skills

Skills Skills API Skill

- `/v1/skills` Skills
- `container.skills` Skills Messages API
- Claude Console
- Claude Agent SDK

API vs. Claude.ai

| Skills | Claude.ai / Claude Code |
|--------|-------------------------|
| | Claude.ai / Claude Code |
| | Claude.ai / Claude Code |
| Skills | API |
| | API |
| | API |

API Skills Code Execution Tool beta Skills

- Skills API
- Skills
- Agent SDK Skills



GitHub Skill README Skill Skill README.md

1. GitHub

- Skills
- README
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2. MCP Skills

- MCP Skills
- Skills
- Skills

3. Skills

Installing the [Your Service] skill

1. Download the skill:

- Clone repo: `git clone https://github.com/yourcompany/skills`

- Or download ZIP from Releases

2. Install in Claude:

- Open Claude.ai > Settings > skills

- Click "Upload skill"

- Select the skill folder (zipped)

3. Enable the skill:

- Toggle on the [Your Service] skill

- Ensure your MCP server is connected

4. Test:

- Ask Claude: "Set up a new project in [Your Service]"

ProjectHub Skill

ProjectHub Skill README Skill

"The ProjectHub skill enables teams to set up complete project workspaces in seconds — including pages, databases, and templates — instead of spending 30 minutes on manual setup."

"The ProjectHub skill is a folder containing YAML frontmatter and Markdown instructions that calls our MCP server tools."

MCP + Skills

"Our MCP server gives Claude access to your Linear projects. Our skills teach Claude your team's sprint planning workflow. Together, they enable AI-powered project management."



Skills

vs.

Home Depot

Skills

- "Skill MCP Skill
- "Notion MCP" → Skill Claude Skill

Skills

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Workflow: Onboard New Customer

Step 1: Create Account

Call MCP tool: `create\_customer`

Parameters: name, email, company

Step 2: Setup Payment

Call MCP tool: `setup\_payment\_method`

Wait for: payment method verification

Step 3: Create Subscription

Call MCP tool: `create\_subscription`

Parameters: plan_id, customer_id (from Step 1)

Step 4: Send Welcome Email

Call MCP tool: `send\_email`

Template: welcome_email_template

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Phase 1: Design Export (Figma MCP)

1. Export design assets from Figma
2. Generate design specifications
3. Create asset manifest

Phase 2: Asset Storage (Drive MCP)

1. Create project folder in Drive
2. Upload all assets
3. Generate shareable links

Phase 3: Task Creation (Linear MCP)

1. Create development tasks
2. Attach asset links to tasks
3. Assign to engineering team

Phase 4: Notification (Slack MCP)

1. Post handoff summary to #engineering

2. Include asset links and task references

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Iterative Report Creation

Initial Draft

1. Fetch data via MCP
2. Generate first draft report
3. Save to temporary file

Quality Check

1. Run validation script: `scripts/check\_report.py`
2. Identify issues:
 - Missing sections
 - Inconsistent formatting
 - Data validation errors

Refinement Loop

1. Address each identified issue
2. Regenerate affected sections
3. Re-validate
4. Repeat until quality threshold met

Finalization

1. Apply final formatting
2. Generate summary
3. Save final version

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```
## Smart File Storage

### Decision Tree
1. Check file type and size
2. Determine best storage location:
  - Large files (>10MB): Use cloud storage MCP
  - Collaborative docs: Use Notion/Docs MCP
  - Code files: Use GitHub MCP
  - Temporary files: Use local storage

### Execute Storage
Based on decision:
- Call appropriate MCP tool
- Apply service-specific metadata
- Generate access link

### Provide Context to User
Explain why that storage was chosen
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```
## Payment Processing with Compliance

### Before Processing (Compliance Check)
1. Fetch transaction details via MCP
2. Apply compliance rules:
  - Check sanctions lists
  - Verify jurisdiction allowances
  - Assess risk level
3. Document compliance decision

### Processing
IF compliance passed:
  - Call payment processing MCP tool
  - Apply appropriate fraud checks
  - Process transaction
ELSE:
  - Flag for review
  - Create compliance case

### Audit Trail
- Log all compliance checks
- Record processing decisions
- Generate audit report
```

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SKILL.md

####

- #### SKILL.md#####
- `ls -la` ##### SKILL.md

##"Invalid frontmatter"

###YAML ###

####

```
# ---#####
name: my-skill
description: Does things

# ---#####
name: my-skill
description: "Does things

# 
---
name: my-skill
description: Does things
---
```

##"Invalid skill name"

#####

```
# 
name: My Cool Skill

# 
name: my-cool-skill
```

Skill ###

Skill #####

description Description /

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- "Helps with projects"
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□ Claude □ "When would you use the [skill name] skill?" Claude □ □ description □ □ □ □ □ □ □ □ □ □

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1.

description: Advanced data analysis for CSV files. Use for statistical modeling, regression, clustering. Do NOT use for simple data exploration (use data-viz skill instead).

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description: Processes documents

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description: Processes PDF legal documents for contract review

3. ☐ ☐ ☐ ☐

description: PayFlow payment processing for e-commerce. Use specifically for online payment workflows, not for general financial queries.

MCP

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Skill ☐☐ MCP ☐☐

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1. `!mcp`
 - Claude.ai Settings > Extensions > []
 - [] "Connected" []
2. []
 - API []
 - []/[]
 - OAuth token []
3. [] MCP
 - [] Claude [] MCP [] Skill []
 - "Use [Service] MCP to fetch my projects"
 - [] MCP [] Skill
4. []
 - Skill [] MCP []
 - [] MCP []
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Make sure to validate things properly

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CRITICAL: Before calling `create_project`, verify:

- Project name is non-empty
- At least one team member assigned
- Start date is not in the past

Office skills

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Performance Notes

- Take your time to do this thoroughly
- Quality is more important than speed
- Do not skip validation steps

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Skill 10

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- Skill 10
- Skills 10
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1. SKILL.md 10
 - references/
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2. Skills 10
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 - Skill "10"

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- Skills 10

- [API](#)
- [MCP](#)

[Links](#)

- [Introducing Agent Skills](#)
- [Engineering Blog: Equipping Agents for the Real World](#)
- [Skills Explained](#)
- [How to Create Skills for Claude](#)
- [Building Skills for Claude Code](#)
- [Improving Frontend Design through Skills](#)

[Skills](#)

[Skills](#)

- [GitHubanthropics/skills](#)
- [Anthropic Skills](#)

[skill-creator](#)

skill-creator skill

- [Claude.ai](#) [Claude Code](#)
- [Skills](#)
- [Help me build a skill using skill-creator"](#)

[skill-creator](#)

- [skill-creator Skills](#)
- [Review this skill and suggest improvements"](#)

[skill-creator](#)

[skill-creator](#)

- [Claude Developers Discord](#)

Bug

- [GitHub Issuesanthropics/skills/issues](#)
- [Skill](#)

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- ☐ YAML frontmatter [--- 00
- ☐ name 000kebab-case00000000
- ☐ description 00000WHAT00000WHEN
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- ☐ 0000
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- ☐ [] [] [] [] [] []
- ☐ [] [] description [] [] [] []
- ☐ [] metadata [] [] [] [] [] []

[] B[YAML Frontmatter



```
---
name: skill-name-in-kebab-case
description: What it does and when to use it. Include specific
trigger phrases.
---
```



```
name: skill-name
description: [required description]
license: MIT # [ ] [ ] [ ] [ ] [ ] [ ]
allowed-tools: "Bash(python:*) Bash(npm:*) WebFetch" # [ ] [ ] [ ] [ ] [ ] [ ]
metadata: # [ ] [ ] [ ] [ ] [ ] [ ]
  author: Company Name
  version: 1.0.0
  mcp-server: server-name
  category: productivity
  tags: [project-management, automation]
documentation: https://example.com/docs
support: support@example.com
```



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- □ "claude" □ "anthropic" □□□□ Skills□□□□

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- **Document Skills** - PDF DOCX PPTX XLSX
- **Example Skills** -
- **Partner Skills Directory** - Skills Asana Atlassian Canva Figma Sentry Zapier



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