

Figma MCP

Server with

Gemini CLI

(With a Figma mockup to
frontend code usecase
example)

Quick Guide (CLI)

1. Installation of the Figma MCP Server

To install the Figma MCP Server you first need to have:

- a stable internet connection
- Gemini CLI already installed and authenticated

If you don't have the Gemini CLI installed, refer back to my previous guide about [Installing Gemini CLI](#) on your device.

If you have it already installed you can now install the Figma MCP Server.

You can install it by using the “*gemini extension install*” command adjusted to this MCP:

```
> gemini extensions install https://github.com/figma/figma-gemini-cli-extension
```

After using this command you should see this screen:

```
PS C:\Users\toddg> gemini extensions install https://github.com/figma/figma-gemini-cli-extension
Installing extension "Figma".
**The extension you are about to install may have been created by a third-party developer and sourced from a public repository. Google does not vet, endorse, or guarantee the functionality or security of extensions. Please carefully inspect any extension and its source code before installing to understand the permissions it requires and the actions it may perform.**
This extension will run the following MCP servers:
 * Figma (remote): https://mcp.figma.com/mcp
Do you want to continue? [Y/n]: |
```

Here you should accept by typing in “y” and clicking the Enter button.

If everything goes correctly and the MCP Server installs you should see the following line in your terminal:

```
Extension "[object Object]" installed successfully and enabled.
```

If something went wrong, restart your terminal and try again or refer to the [Figma MCP Server for Gemini CLI docs](#).

2. Running the MCP Server in the Gemini CLI

After installing the Figma MCP Server, run the Gemini CLI using the “gemini” command.

To check the status of your MCP Server you need to type in the following command into the Gemini CLI:

```
> /mcp list
```

If the installation went successfully you should see this message on your screen:

```
● figma (from Figma) - Disconnected (OAuth not authenticated)
```

To take advantage of the Figma MCP you need to authenticate it with your Figma account. You can do this by typing in the following command into the Gemini CLI

```
> /mcp auth figma
```

After this you will get redirected to a login website and you will need to log into your Figma account for the MCP Server to get authenticated.

Next you come back to the terminal and if everything went correctly you will see this screen.

```
> /mcp auth figma

Starting OAuth authentication for MCP server 'figma'...

Opening your browser for OAuth sign-in...

If the browser does not open, copy and paste this URL into your browser:
https://www.figma.com/oauth/mcp?client_id=dwdZFQHUzIXaUfnxt0gZ7U&response_type=code&redirect_uri=http%3A%2F%2Flocalhost%3A7777%2Foauth%2Fcallback&state=0nzVTHL9bzw-lrUqTQ60mQ&code_challenge=k87ivjSCcM3-Z3n5S2JmfVB_c2eSoxHtdCB2bw3_LZI&code_challenge_method=S256&scope=mcp%3Aconnect&resource=https%3A%2F%2Fmcp.figma.com%2Fmcp

💡 TIP: Triple-click to select the entire URL, then copy and paste it into your browser.
⚠️ Make sure to copy the COMPLETE URL - it may wrap across multiple lines.

Successfully authenticated with MCP server 'figma'

Re-discovering tools from 'figma'...

Successfully authenticated and refreshed tools for 'figma'.
```

If you see some type of error try again or refer to the [Figma MCP Server Documentation](#).

After a successful installation and authentication of the MCP Server type in the following command into the Gemini CLI:

```
> /mcp list
```

If everything went according to plan you should see this message on your screen:

```
● figma (from Figma) - Ready (8 tools, 1 prompt) (OAuth)
Tools:
- create_design_system_rules
- get_code_connect_map
- get_design_context
- get_figjam
- get_metadata
- get_screenshot
- get_variable_defs
- whoami
Prompts:
- create_design_system_rules
```

From now on you are able to take advantage of the Figma MCP Server with Gemini CLI!

3. Use Case Example

For the Use Case Example I will use a random Figma Mockup showcasing a frontend of a website.

To use the MCP Server you need to finish all the previous steps and run the Gemini CLI.

After checking if your Figma MCP is connected write a prompt asking the LLM to use the Figma MCP.

Prompt example: “*Use the Figma MCP to analyze this Figma mockup and convert it to code. Here you have the link: <figma-mockup-link>.*”

After prompting the LLM the Gemini CLI will first ask you to use the MCP tools needed.

```
Allow execution of MCP tool "get_design_context" from server "figma"?
```

- 1. Yes, allow once
- 2. Yes, always allow tool "get_design_context" from server "figma"
- 3. Yes, always allow all tools from server "figma"
- 4. No, suggest changes (esc)

Next according to the option you chose on this screen it will prompt you to chose a few more times or just convert the mockup into code.

CONGRATULATIONS NOW YOU KNOW HOW TO INSTALL AND USE THE FIGMA MCP SERVER WITH THE GEMINI CLI. IT'S THAT EASY!