# Claude to GitHub Automation - User Guide

## Overview

This automation system automatically saves all your Claude conversations and generated code to your GitHub repository (**Claude-Insight-Bridge**). Every response from Claude and any code it generates can be captured and version-controlled in GitHub, creating a permanent record of your AI-assisted work.

## What This System Does

The Claude to GitHub automation provides a seamless way to:

* Archive Conversations: Save complete Claude conversation threads as markdown files
* Store Generated Code: Automatically save code snippets and files with proper formatting
* Version Control: Track changes and maintain history of all your Claude interactions
* Organize Content: Separate conversations and code into dedicated folders
* Auto-Commit: Automatically commit and push changes to GitHub with timestamps

## Repository Structure

Your **Claude-Insight-Bridge** repository is organized as follows:

Claude-Insight-Bridge/  
├── conversations/ # All Claude conversation logs  
│ └── YYYY-MM-DD\_HH-MM-SS\_conversation.md  
├── code/ # All generated code files  
│ └── YYYY-MM-DD\_HH-MM-SS\_filename.ext  
├── claude\_to\_github.py # Main automation script  
└── README.md # Repository description

## How to Use the Automation

### Method 1: Save a Conversation

To save a conversation you've had with Claude:

1. Copy the conversation text from Claude

2. Save it to a file (e.g., my\_conversation.txt)

3. Run the command:

python3 /home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py conversation my\_conversation.txt

Or pipe the content directly:

echo "Your conversation text here" | python3 /home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py conversation

### Method 2: Save Generated Code

To save code that Claude generated:

echo "your code here" | python3 /home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py code filename language

**Example - Save Python code:**

cat > /tmp/my\_script.py << 'EOF'  
def hello\_world():  
 print("Hello from Claude!")  
EOF  
  
cat /tmp/my\_script.py | python3 /home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py code my\_script python

**Supported Languages:**

* python
* javascript
* typescript
* html
* css
* bash
* sql
* json
* yaml
* markdown

### Method 3: Run a Test

To test that everything is working:

python3 /home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py test

This will create a test conversation and push it to GitHub.

## Advanced Usage

### Using the Python API

You can also use the automation programmatically in your own Python scripts:

from claude\_to\_github import ClaudeGitHubSync  
import datetime  
  
# Initialize  
repo\_path = "/home/ubuntu/Claude-Insight-Bridge"  
token\_file = "/home/ubuntu/.github\_token"  
  
with open(token\_file, 'r') as f:  
 github\_token = f.read().strip()  
  
sync = ClaudeGitHubSync(repo\_path, github\_token)  
  
# Save a conversation  
conversation\_text = """  
# My Claude Conversation  
  
\*\*User:\*\* How do I automate GitHub?  
  
\*\*Claude:\*\* Here's how you can automate GitHub...  
"""  
  
sync.sync\_all(  
 conversation\_content=conversation\_text,  
 commit\_message="Saved conversation about GitHub automation"  
)  
  
# Save code files  
code\_files = [  
 {  
 'content': 'print("Hello World")',  
 'filename': 'hello',  
 'language': 'python'  
 }  
]  
  
sync.sync\_all(  
 code\_files=code\_files,  
 commit\_message="Added hello world script"  
)

### Custom Commit Messages

You can provide custom commit messages:

python3 /home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py conversation my\_file.txt  
# This will use a default message with timestamp  
  
# For custom messages, modify the script or use the Python API

## File Naming Convention

All files are automatically timestamped to prevent conflicts:

* Conversations: YYYY-MM-DD\_HH-MM-SS\_conversation.md
* Code Files: YYYY-MM-DD\_HH-MM-SS\_filename.extension

Example: 2025-10-31\_08-48-34\_conversation.md

## Viewing Your Saved Content

### On GitHub

1. Visit: https://github.com/SimonSteggles/Claude-Insight-Bridge

2. Click on the **conversations** folder to see all saved conversations

3. Click on the **code** folder to see all saved code files

4. Each file can be viewed, downloaded, or shared directly from GitHub

### Locally

All files are also stored locally in:

* /home/ubuntu/Claude-Insight-Bridge/conversations/
* /home/ubuntu/Claude-Insight-Bridge/code/

## Authentication Details

The system uses a GitHub Personal Access Token for authentication:

* Token Location: /home/ubuntu/.github\_token
* Token Permissions: repo, workflow, gist
* Expiration: November 30, 2025
* Security: Token is stored securely with restricted file permissions (600)

### Renewing the Token

When your token expires on November 30, 2025:

1. Go to https://github.com/settings/tokens

2. Click on "Claude Automation"

3. Click "Regenerate token"

4. Copy the new token

5. Update the token file:

`bash

echo "your\_new\_token\_here" > /home/ubuntu/.github\_token

chmod 600 /home/ubuntu/.github\_token

`

## Troubleshooting

### Authentication Failed

If you see "Authentication failed" errors:

1. Check that the token file exists:

`bash

cat /home/ubuntu/.github\_token

`

2. Verify the token is valid:

`bash

curl -H "Authorization: token $(cat /home/ubuntu/.github\_token)" https://api.github.com/user

`

3. If invalid, regenerate the token on GitHub and update the file

### No Changes to Commit

If you see "No changes to commit":

* This means the files were already saved previously
* The system only commits when there are new or modified files

### Push Failed

If push fails:

1. Check your internet connection

2. Verify the repository exists: https://github.com/SimonSteggles/Claude-Insight-Bridge

3. Ensure the token has not expired

## Best Practices

### Organizing Conversations

* Save conversations with descriptive titles when possible
* Group related conversations by topic
* Review and clean up old conversations periodically

### Code Management

* Always specify the correct language for proper file extensions
* Use meaningful filenames for generated code
* Test code before saving to ensure it's working

### Security

* Never share your GitHub token with anyone
* Keep the token file secure (already set to 600 permissions)
* Regenerate the token if you suspect it has been compromised

## Integration Ideas

### Automated Workflow

Create a bash script to automatically save conversations:

#!/bin/bash  
# save\_claude\_conversation.sh  
  
CONVERSATION\_FILE="$1"  
SCRIPT\_PATH="/home/ubuntu/Claude-Insight-Bridge/claude\_to\_github.py"  
  
if [ -z "$CONVERSATION\_FILE" ]; then  
 echo "Usage: $0 <conversation\_file>"  
 exit 1  
fi  
  
python3 "$SCRIPT\_PATH" conversation "$CONVERSATION\_FILE"  
echo "Conversation saved and pushed to GitHub!"

### Scheduled Backups

You could set up a cron job to automatically backup conversations at regular intervals:

# Add to crontab (crontab -e)  
0 \*/6 \* \* \* /path/to/backup\_script.sh

## Support and Updates

### Repository Information

* Repository: https://github.com/SimonSteggles/Claude-Insight-Bridge
* Owner: SimonSteggles
* Description: AMS to IG version of Insight Bridge

### Getting Help

If you encounter issues:

1. Check this user guide first

2. Review the troubleshooting section

3. Check the GitHub repository for any updates

4. Verify your token is still valid

## Summary

This automation system provides a robust way to archive and version-control all your Claude interactions. By automatically saving conversations and code to GitHub, you create a searchable, shareable, and permanent record of your AI-assisted work.

**Key Benefits:**

* ✅ Automatic timestamping and organization
* ✅ Full version control with Git
* ✅ Accessible from anywhere via GitHub
* ✅ Supports multiple programming languages
* ✅ Simple command-line interface
* ✅ Programmatic API for custom integrations

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