

ExO Codebase Analysis — User Guide

Analyze your web app's Contentful usage and send us the result

Thanks for helping us with the ExO upgrade. This package contains **one** AI skill:

codebase analysis. You point it at your website's codebase, it maps how your pages are built from components and which Contentful fields power each one, and it writes that analysis to a folder.

You then send that folder back to us — that's the whole ask.

It is **read-only on your code** (it reads your source to understand it; it changes nothing) and it does **not** modify your Contentful space. There is no program of ours to run directly — the skill is instructions plus code that *your* AI agent (Claude Code or Codex) runs.

1. Prerequisites

- **Claude Code or Codex**, installed and working.
- **Node.js 24 or newer** (`node --version`). (nodejs.org)
- **macOS or Linux**. Windows is not supported in this beta.
- **A local copy of your website's codebase** (the repo that renders your Contentful content).
- Your Contentful **CMA token**, **Space ID**, and **environment** for the space the site uses. The

skill needs these to read your content model (the GraphQL schema); they are used only to talk to Contentful's API and are stored locally.

2. Install the skill

You received a zip named `exo-codebase-analysis-<date>.zip` . Unzip it — you get one folder, `exo-codebase-analysis/` , containing the skill. Install it one of two ways.

Option A — with the skills CLI (recommended)

From the folder that contains `exo-codebase-analysis/` :

```
npx skills add ./exo-codebase-analysis --copy -g --skill '*' --agent claude-code codex -y
```

`npx` comes with Node (nothing extra to install). `--copy` copies the files in; `-g` installs

globally so it works from any folder. Drop `codex` (or `claude-code`) if you only use one.

Option B — copy the folder by hand (no CLI)

Copy the skill folder into your agent's skills directory:

```
# Claude Code:
cp -R exo-codebase-analysis/contentful-exo-upgrade-codebase-analysis ~/.claude/skills/
# Codex:
cp -R exo-codebase-analysis/contentful-exo-upgrade-codebase-analysis ~/.agents/skills/
```

Either way: restart your agent session afterward.

3. Run the analysis

Open your agent **in your website's codebase folder** and start the skill:

```
/contentful-exo-upgrade-codebase-analysis
```

What happens:

1. It confirms your codebase path and detects your framework (Next.js, React, etc.).
2. It asks for your Contentful CMA token / space / environment (to read your content model) — provide

them when asked.

1. It discovers your pages and **shows you the list, then stops** so you can pick which pages to analyze (a subset, or all). *This is your choice — analyze everything, or just a few pages to start.*

1. For each selected page it traces the component tree and writes one markdown file per component, plus a page router view.

It reads your source to understand it and writes only into the analysis folder below. It does not change your code and does not touch your Contentful content.

4. What you get (the output)

Everything is written **inside your codebase**, under a visible folder:

```
<your-codebase>/contentful-exo-upgrade/codebase-analysis/  
├─ codebase-analysis.json      # a little run metadata  
├─ pages.json / pages.md      # every page found, and which you analyzed  
├─ Contentful-GraphQL.json/.gql # your content model, mapped  
└─ <mirror of your source tree>/ # one .md per analyzed component
```

It's plain markdown + JSON — feel free to open and read it.

5. Send the result back to us

This is the important part. When the run finishes:

1. Zip the analysis folder:

```
```bash
```

```
cd <your-codebase>/contentful-exo-upgrade
```

```
zip -r codebase-analysis.zip codebase-analysis
```

```
```
```

1. Send us `codebase-analysis.zip` (however we arranged — email/Slack/shared drive).

That folder is everything we need — you don't send us your source code, just the generated analysis.

6. Updating to a newer build

No auto-update during the beta. When we send a newer zip, re-run the install command from Section 2

(it overwrites the previous copy) and restart your agent session.

7. Start over

- Re-run analysis: just invoke `/contentful-exo-upgrade-codebase-analysis` again — re-runs are cheap (unchanged files are skipped) and you can select more pages.
- Clean slate: delete `<your-codebase>/contentful-exo-upgrade/codebase-analysis/`.

8. Feedback

Please tell us what worked, what was confusing, and anything that broke (with the step and any error text). That's the whole point of the beta — thank you!