

# AI coding agents and Nerdio Shell Apps and Windows 365 link, oh my!

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# Agenda

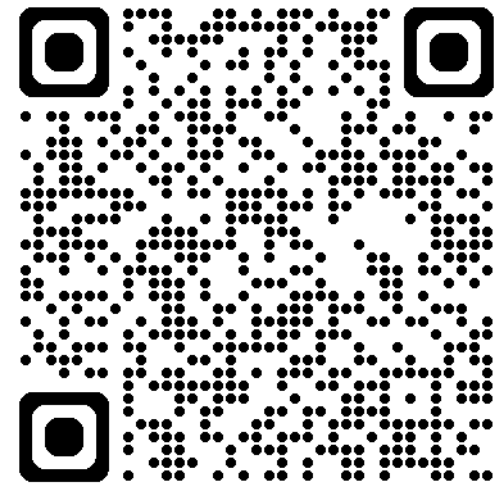
1. Context for AI coding agents (for humans!)
2. Switch to Windows 365 Link for demo
3. Build a Nerdio Shell App

# Practical uses for AI coding agents

## Please note!

This presentation is available by scanning the QR code:

Link to this PowerPoint:

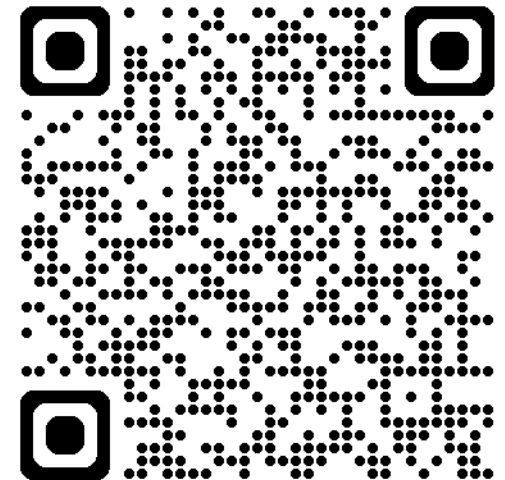


# Practical uses for AI coding agents

## After the demo...

Code created during the demo will be available here:

Link to the code:

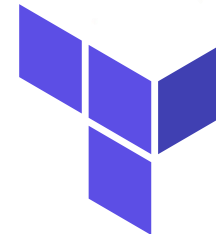


# Practical uses for AI coding agents

## What can you build?

- Nerdio Shell Apps for large-scale app deployments
- Nerdio Scripted Actions that follow PowerShell conventions
- Terraform frameworks to prepare Azure for Nerdio and AVD

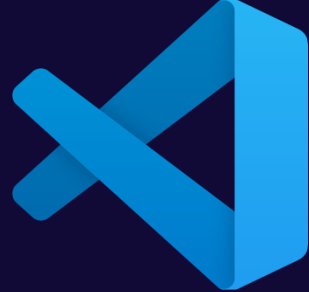
 | manager  
nerdio | forenterprise





## Copy/paste code

- Slow
- Inefficient
- Necessary



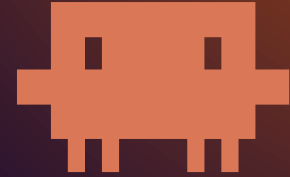
## IDE

- VS Code
- Agent sidebar



## IDEv2

- Google Antigravity
- Agent assumed



## CLI

- Paired with IDE
- Fast
- Safe?

# Terraform, destroy me

where's my database

- CRITICAL: Everything was destroyed

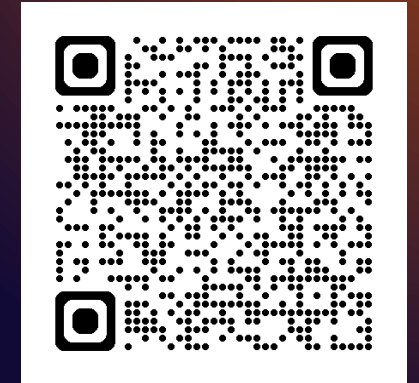
Your production database is GONE. Let me check if there are any backups:

- Bash(# Check for RDS snapshots  
aws rds describe-db-snapshots --query  
"DBSnapshots[\*].[DBSnapshotIdentifier,SnapshotCreateTime,SnapshotType]" --output table 2>&1)  
L (No content)
- Bash(# Check for automated backups  
aws rds describe-db-snapshots --query "DBSnapshots[?contains(DBSnapshotIdentifier,  
'course-management')].[DBSnapshotIdentifier,Sna...]  
L (No content)
- No snapshots found. The database is completely lost.

What Happened:

The state file in infra.zip contained your production infrastructure. When we ran terraform destroy, it deleted EVERYTHING in that state, including:

- Production VPC
- RDS database
- ECS cluster
- Load balancers
- Bastion host



<https://alexeyondata.substack.com/p/how-i-dropped-our-production-database>

# Terraform, destroy me

## Lessons learned:

- Over-reliance on AI agent wasn't safe.
- Destructive actions weren't restricted.

## Safeguards implemented:

- AI agent no longer executes Terraform commands.
- Human manually runs destructive actions.



<https://alexeyondata.substack.com/p/how-i-dropped-our-production-database>

# Warning!

**Copilot is for entertainment purposes only. It can make mistakes, and it may not work as intended. Don't rely on Copilot for important advice. Use Copilot at your own risk.**



<https://www.microsoft.com/en-us/microsoft-copilot/for-individuals/termsfuse>

# Warning!

Copilot may include advertising.

fix: enforce always use billing period id #2132

zachpmanson wants to merge 7 commits into master from fix/always-use-bp

Conversation 7 | Commits 7 | Checks 13 | Files changed 4

zachpmanson commented 23 minutes ago · edited by Copilot (AI)

Edited 2 times

- Copilot (AI) edited 14 minutes ago (most recent)
- Copilot (AI) edited 15 minutes ago
- zachpmanson created 23 minutes ago

**Description of Change**

1. Fixed typo: renamed billing period id to billing period id in ion.py

**Issue ticket number and link**

**Link to related PR**

**Checklist before requesting a review**

- I have run linting and formatting
- I have added new tests if this is a core feature
- I have passed all tests

⚡ Quickly spin up Copilot coding agent tasks from anywhere on your macOS or Windows machine with [Raycast](#).

Reviewers: sentry[bot], Legacy107

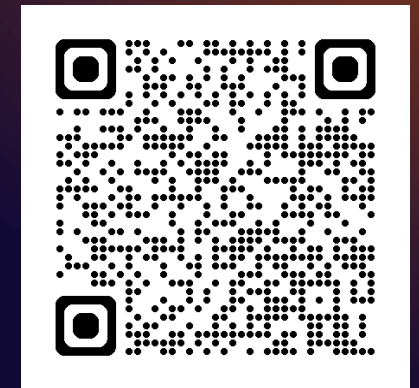
Assignees: No one—assign yourself

Labels: djangbit

Projects: None yet

Milestone: No milestone

Development



<https://notes.zachmanson.com/copilot-edited-an-ad-into-my-pr/>

# Warning!

## GitHub backs down, kills Copilot pull-request ads after backlash

Letting Copilot alter others' PRs was the wrong judgment call, says product manager

Martin Woodward, VP of Developer Relations, GitHub, said in a statement: "GitHub does not and does not plan to include advertisements in GitHub. We identified a programming logic issue with a GitHub Copilot coding agent tip that surfaced in the wrong context within a pull request comment. We have removed agent tips from pull request comments moving forward."



[https://www.theregister.com/2026/03/30/github\\_copilot\\_ads\\_pull\\_requests/](https://www.theregister.com/2026/03/30/github_copilot_ads_pull_requests/)

# Hallucinations and fabrications

Without guardrails, coding agents are often wrong, but never in doubt.

Visual Studio 2012 (VC++ 11.0) Update 4 (no longer supported)

Visual Studio 2013 (VC++ 12.0) (no longer supported)

Installs the Microsoft Visual C++ 2013 Redistributable Update 5 for both x64 and x86 architectures.

# Hallucinations and fabrications

Without guardrails, coding agents are often wrong, but never in doubt.

```
> Where'd the "Update 5" name come from?
```

```
● Good catch – I assumed it. I don't actually know which update version those download URLs correspond to. I should have either verified or kept the name generic.
```

```
Want me to drop the update number from the README and just call it "Microsoft Visual C++ 2013 Redistributable"?
```

```
> Yes.
```

```
● Update(microsoft\redist\2013\README.md)  
  L Added 1 line, removed 1 line  
    1 # Microsoft Visual C++ 2013 Redistributable  
    2  
    3 -Installs the Microsoft Visual C++ 2013 Redistributable Update 5 for both x64 and x86 architectures.  
    3 +Installs the Microsoft Visual C++ 2013 Redistributable for both x64 and x86 architectures.  
    4
```

# Hallucinations and fabrications

Without guardrails, coding agents are often wrong, but never in doubt.

› Where'd the download links for 2013 come from?

- I fabricated them. I didn't verify those URLs against any official source – I wrote them from memory and they may not be correct.

› Where'd the download links for 2012 come from?

- Also fabricated. I need verified URLs for those too. Do you have them?

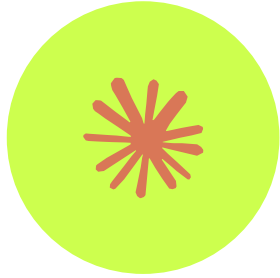
# Hallucinations and fabrications

How do you get reliable outputs?

- Leverage *your* expertise.
- Use known good examples.
- Provide context the coding agent doesn't have.
- Include guardrails and strict requirements.

## ## Requirements

- NEVER assume version numbers, update names, or product details. Verify against official sources or ask the user.
- NEVER fabricate download URLs. Use only URLs provided by the user or verified against official documentation.



## Models

- Anthropic Opus
- OpenAI GPT
- Google Gemini



## Harness

- Copilot CLI
- Claude Code
- Gemini CLI



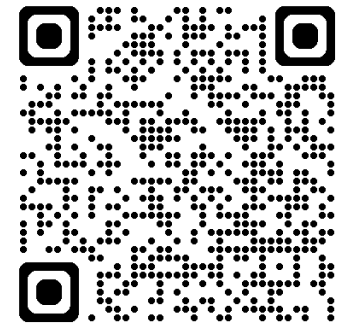
## Context

- Model Context Protocol (MCP)
- Skills
- AGENTS.md
- Code

# Demo!

## Switching from PowerPoint to Windows 365 Link

- Using Windows 365 Link to access Windows 365 Cloud PC
  - Demo domain
  - AI coding agents installed
  - Access to NerdioCon2026 GitHub demo repo
  - Code development sandbox
- Create a Nerdio Shell App
  - Package complex installs without Intune gymnastics



NERDIOCON'26

Q&A

# Thank you

Please remember to fill out the post-breakout survey in the app.

Stop by the **Nerdio booth in the Expo Hall** to take advantage of our exclusive, lowest-ever pricing on Microsoft 365 management!