

# Scaffolding the news app

SOFTWARE DEVELOPMENT WITH WINDSURF



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# Scaffolding the news app

- Scaffold a React and Node news app in Windsurf and securely set up News API key
- Fully working template that can fetch live news updates



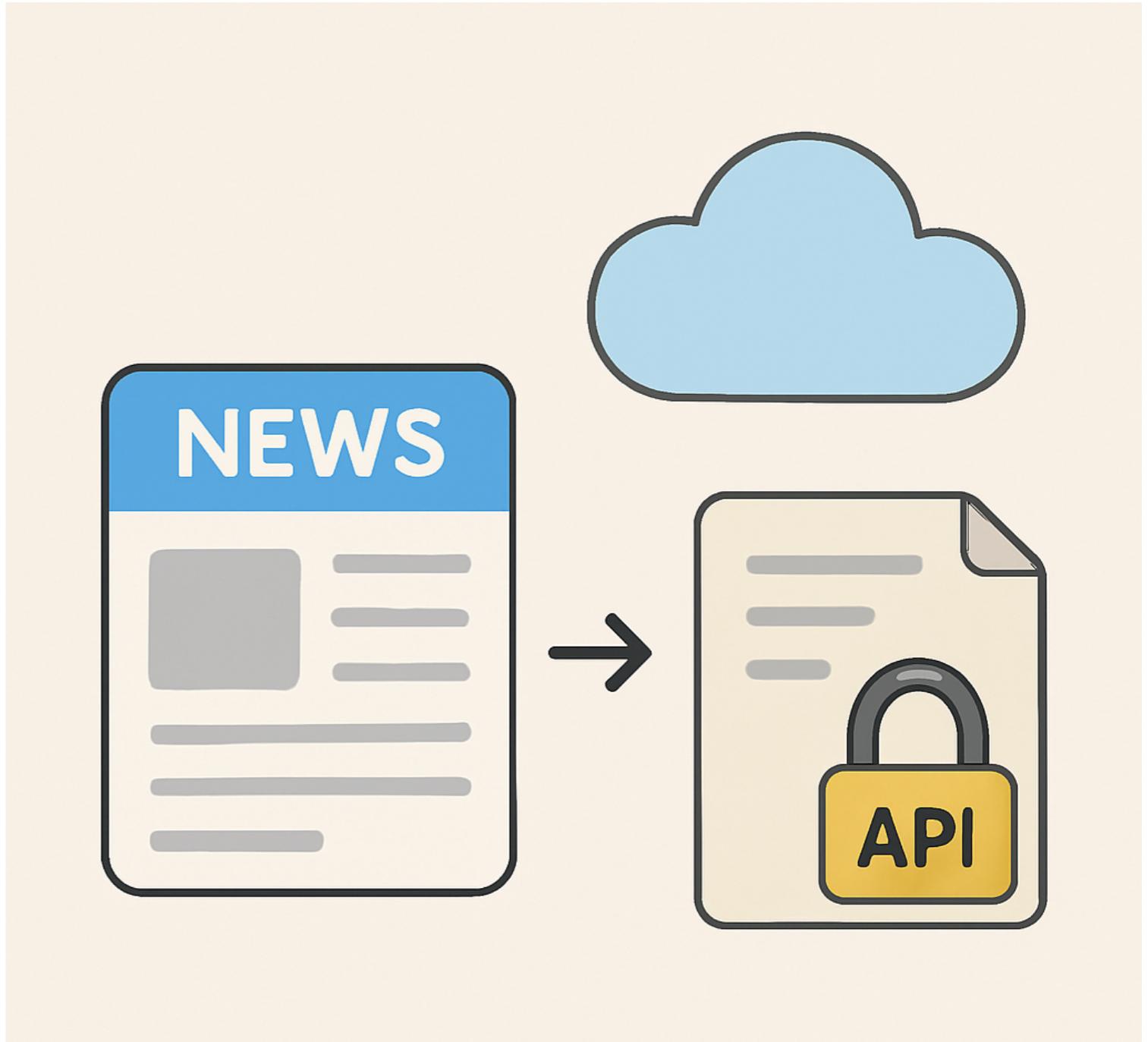






# Last step: Fetching updates via API

- Need to connect to a News API securely
- Storing API key using environment variables
- Two methods in Windsurf

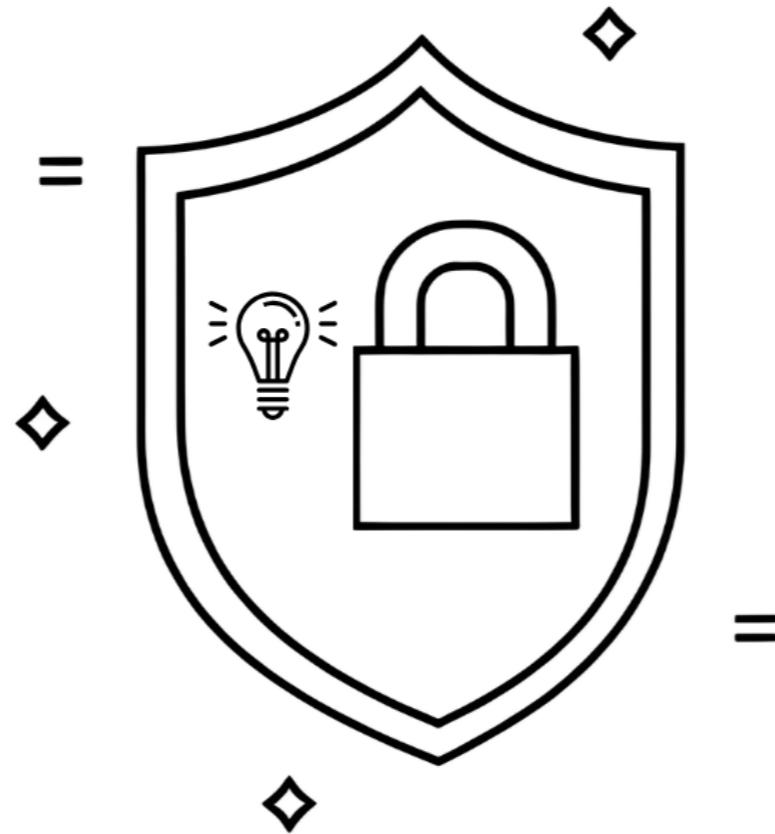






# Security tips

- API keys stay hidden within Windsurf
- The frontend accesses them safely through environment variables
- Remember to add the `.env` file to `.gitignore` when pushing code to GitHub
  - This prevents sensitive information from being uploaded





# **Let's practice!**

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# Adding security and authentication

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# Why security and authentication matter

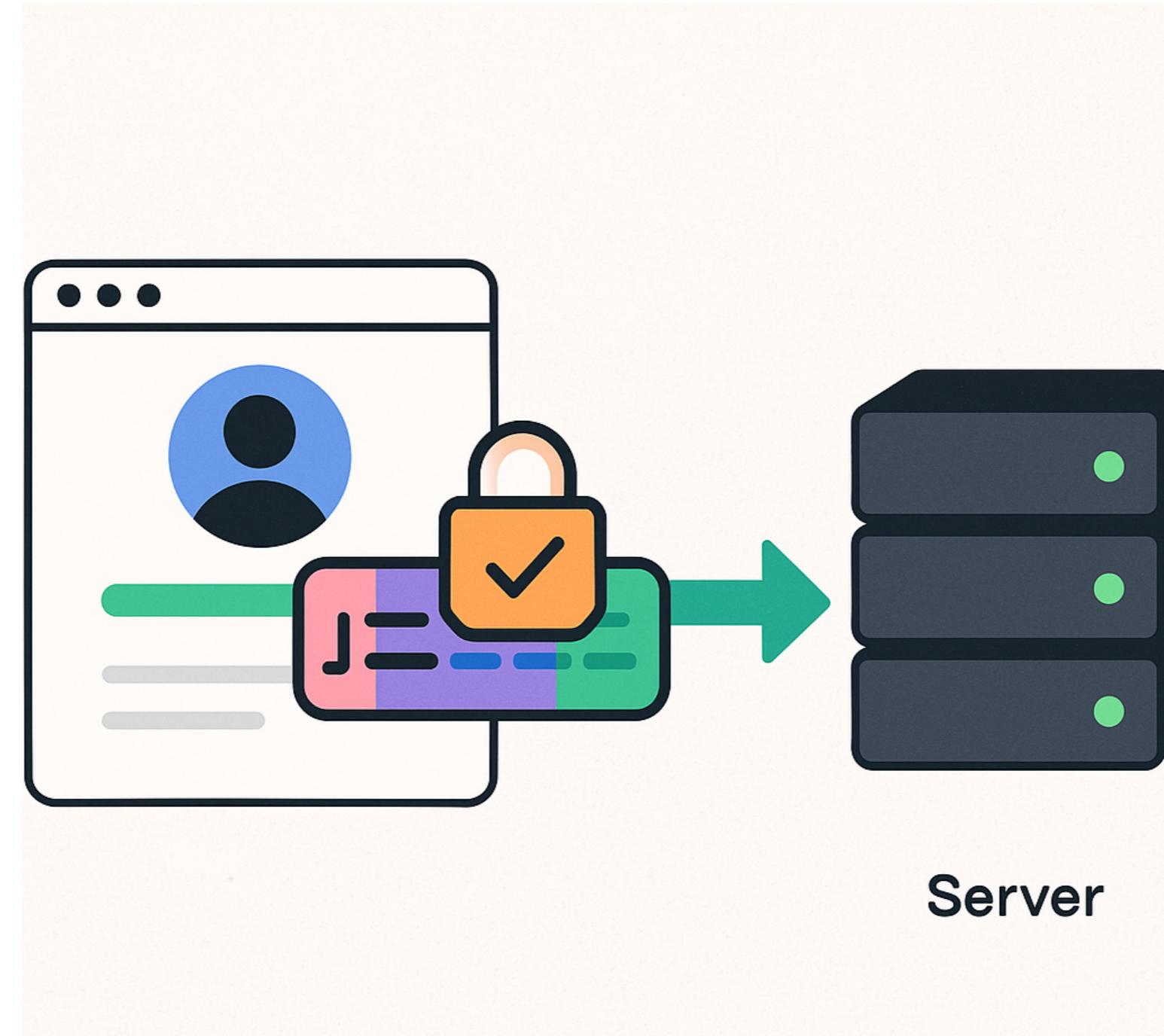
- Protect user accounts
- Guard against common vulnerabilities:
  - Injection attacks
  - Broken authentication
  - Misconfigurations



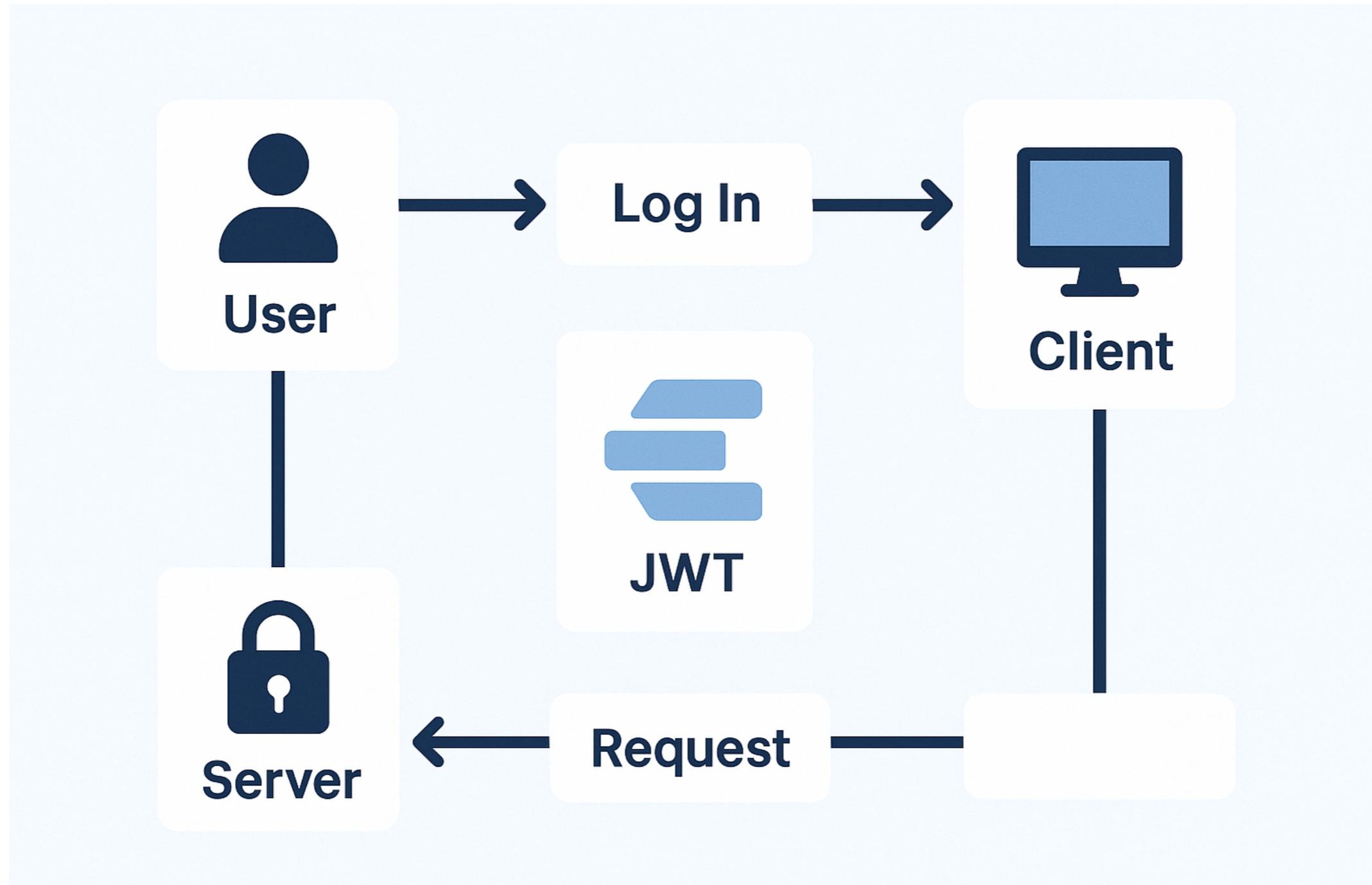
# OWASP Top-10



# Json Web Token (JWT)

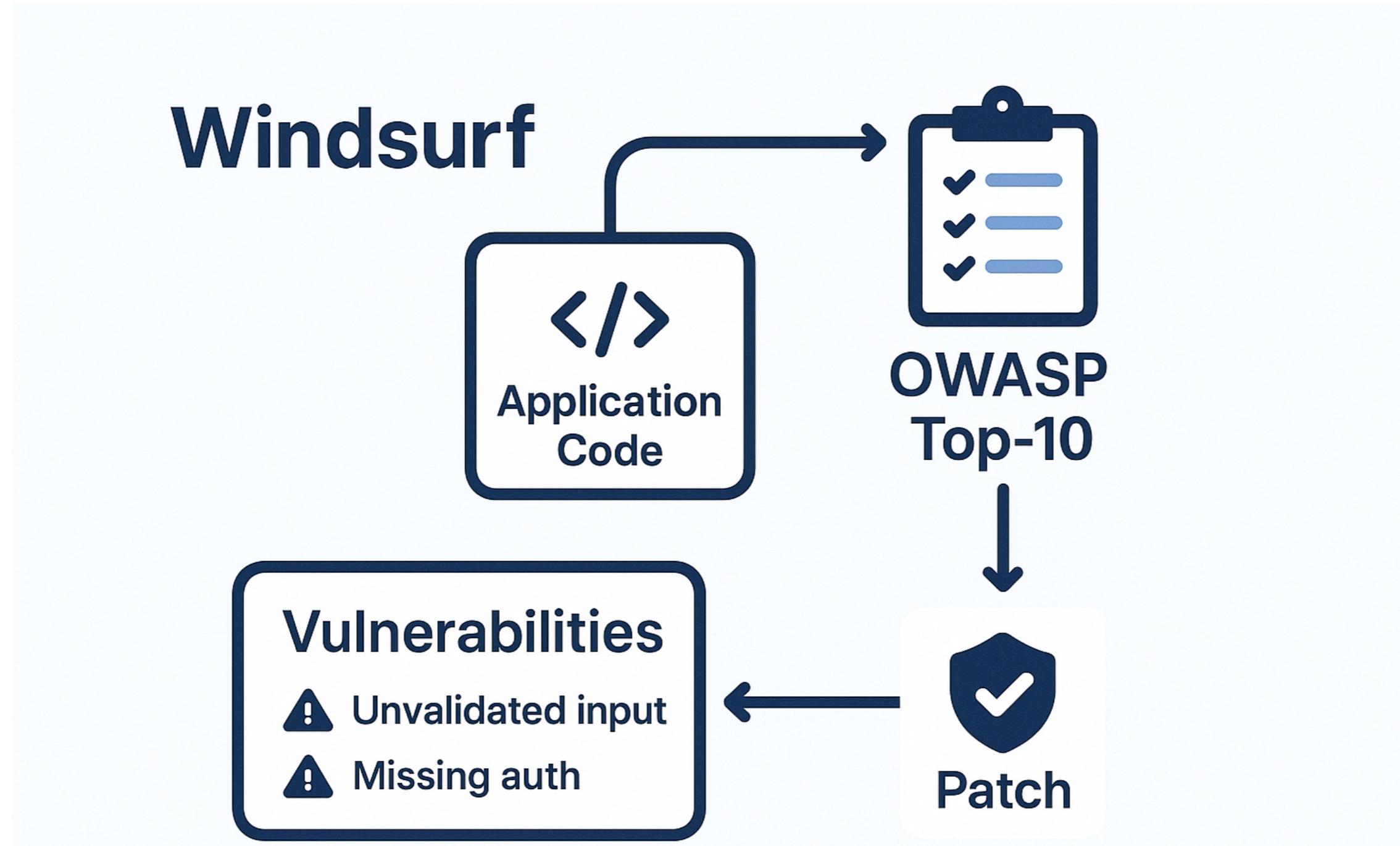


# The JWT authentication flow in Cascade



# JWT authentication in practice

# Applying OWASP security checks





# **Let's practice!**

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# Deploying, monitoring & iterating

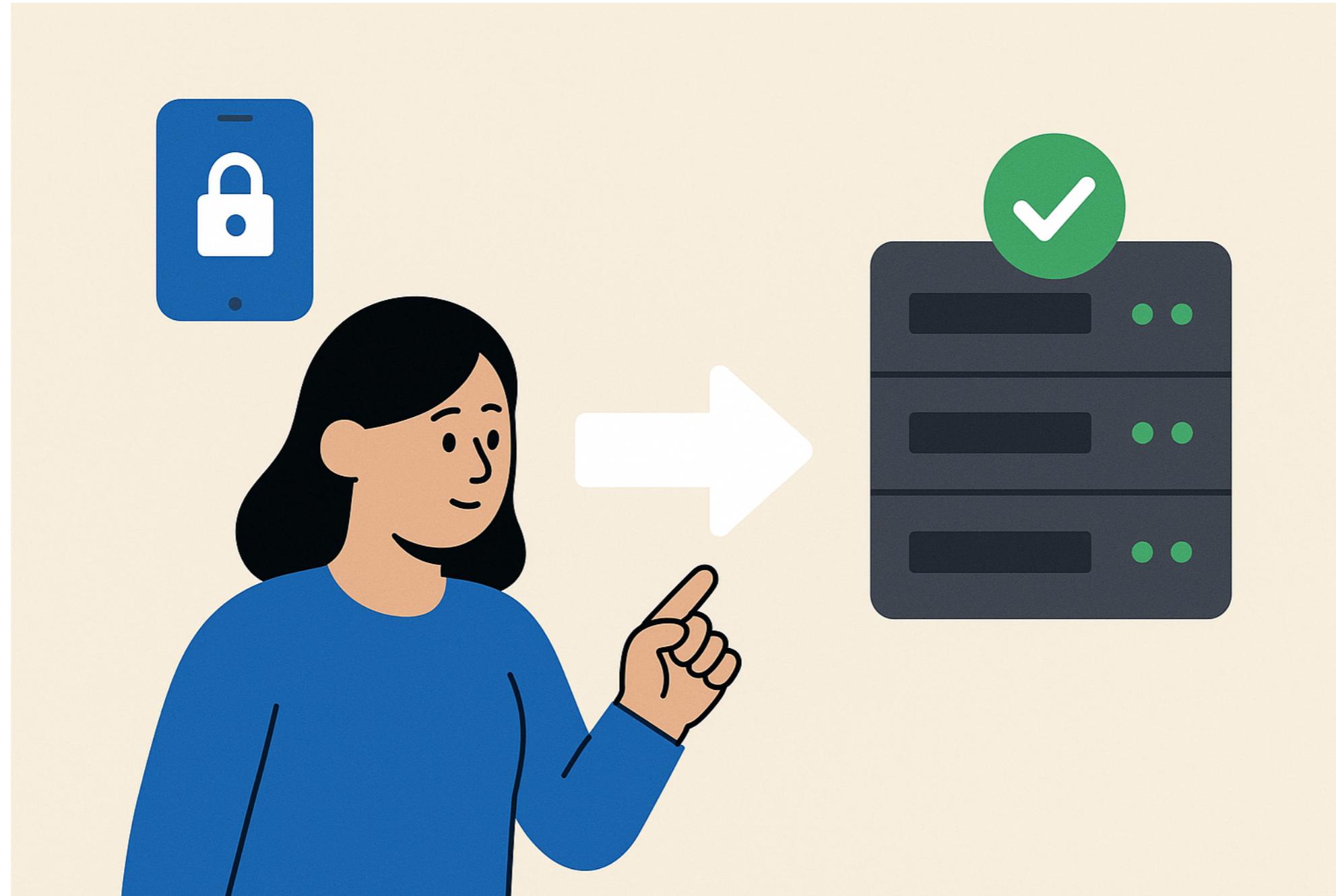
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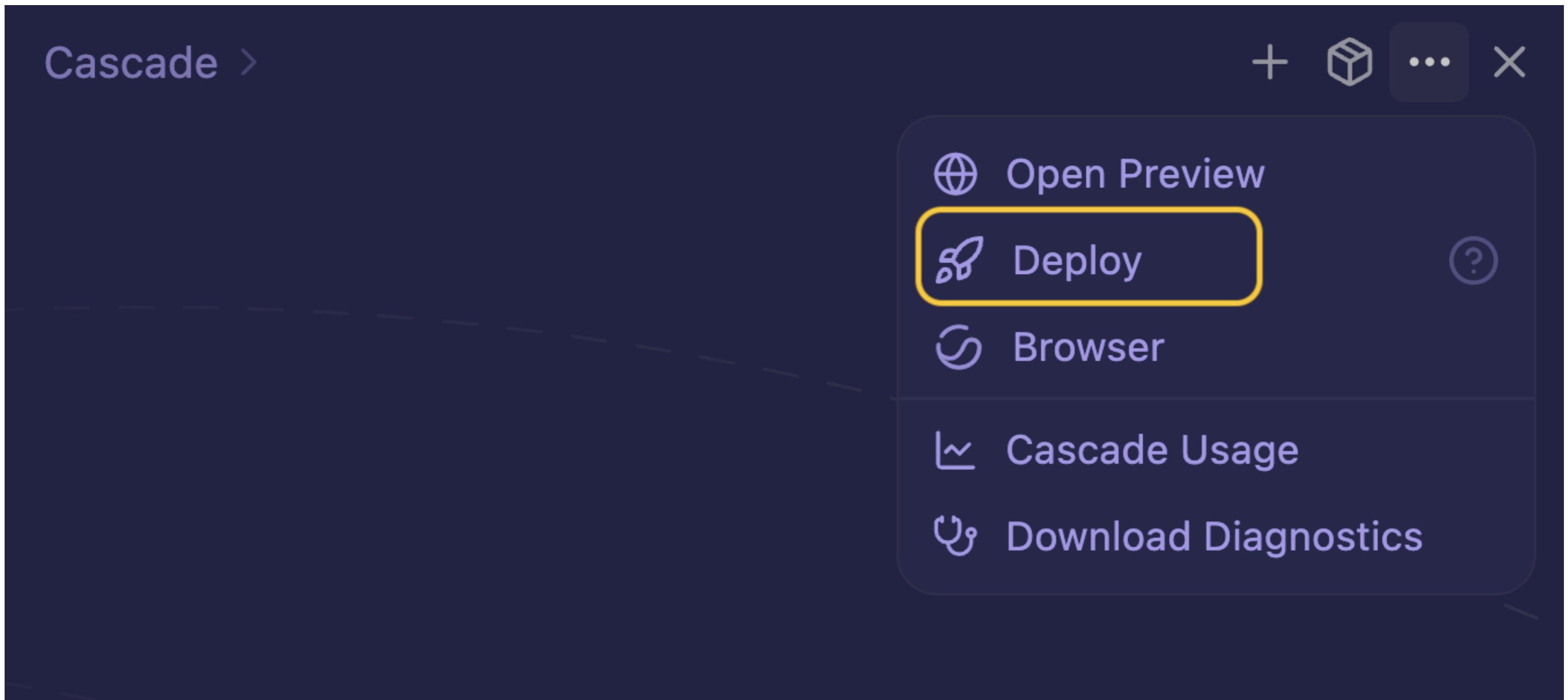
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# From local to production



# Deploying from the IDE

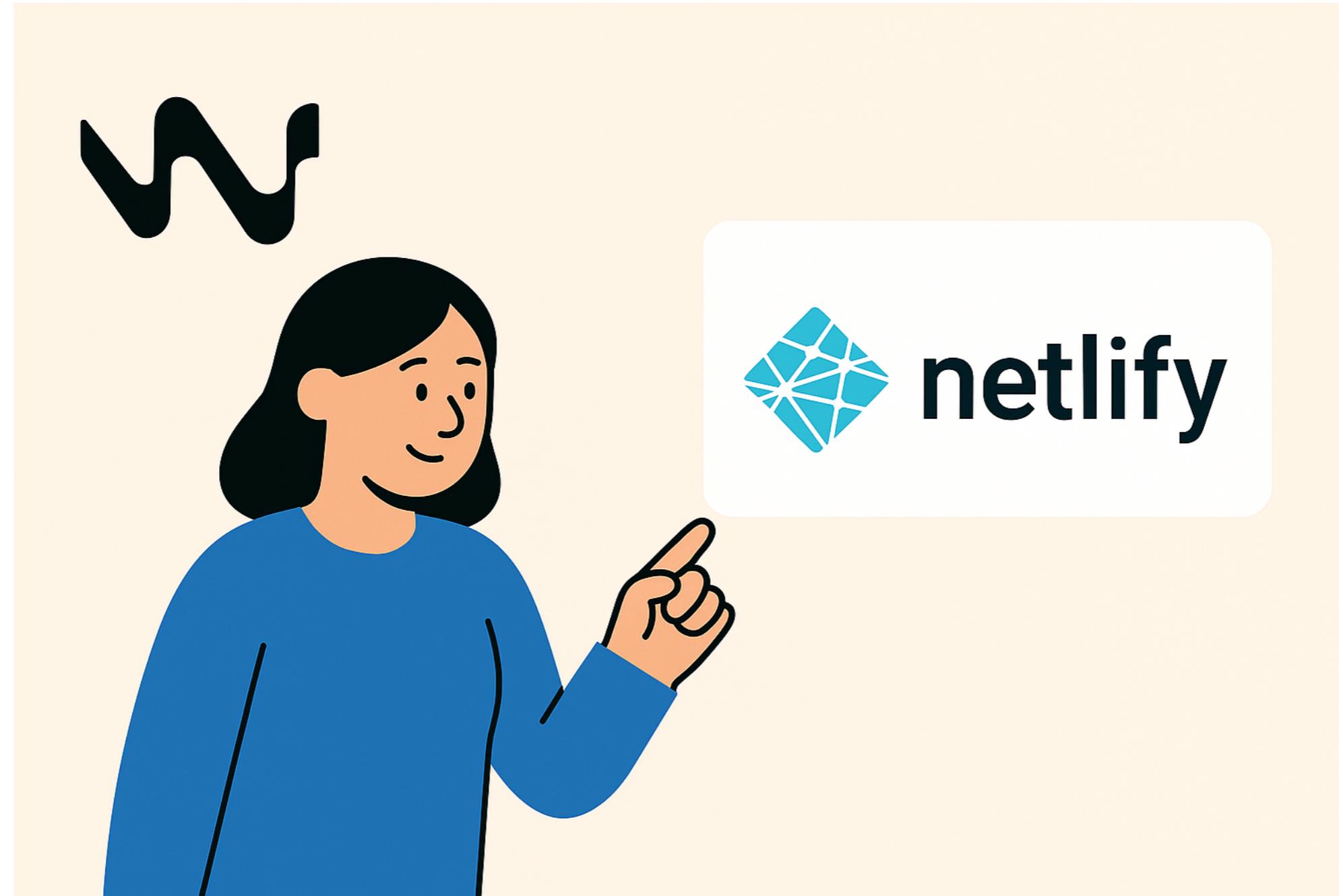


# Flexibility of Windsurf Deploy

## □ Deploy web applications and sites directly within Windsurf

- Share our work through public URLs
- Update our deployments
- Claim projects for further customization

# Windsurf Deploy in action









# **Let's practice!**

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# Congratulations!

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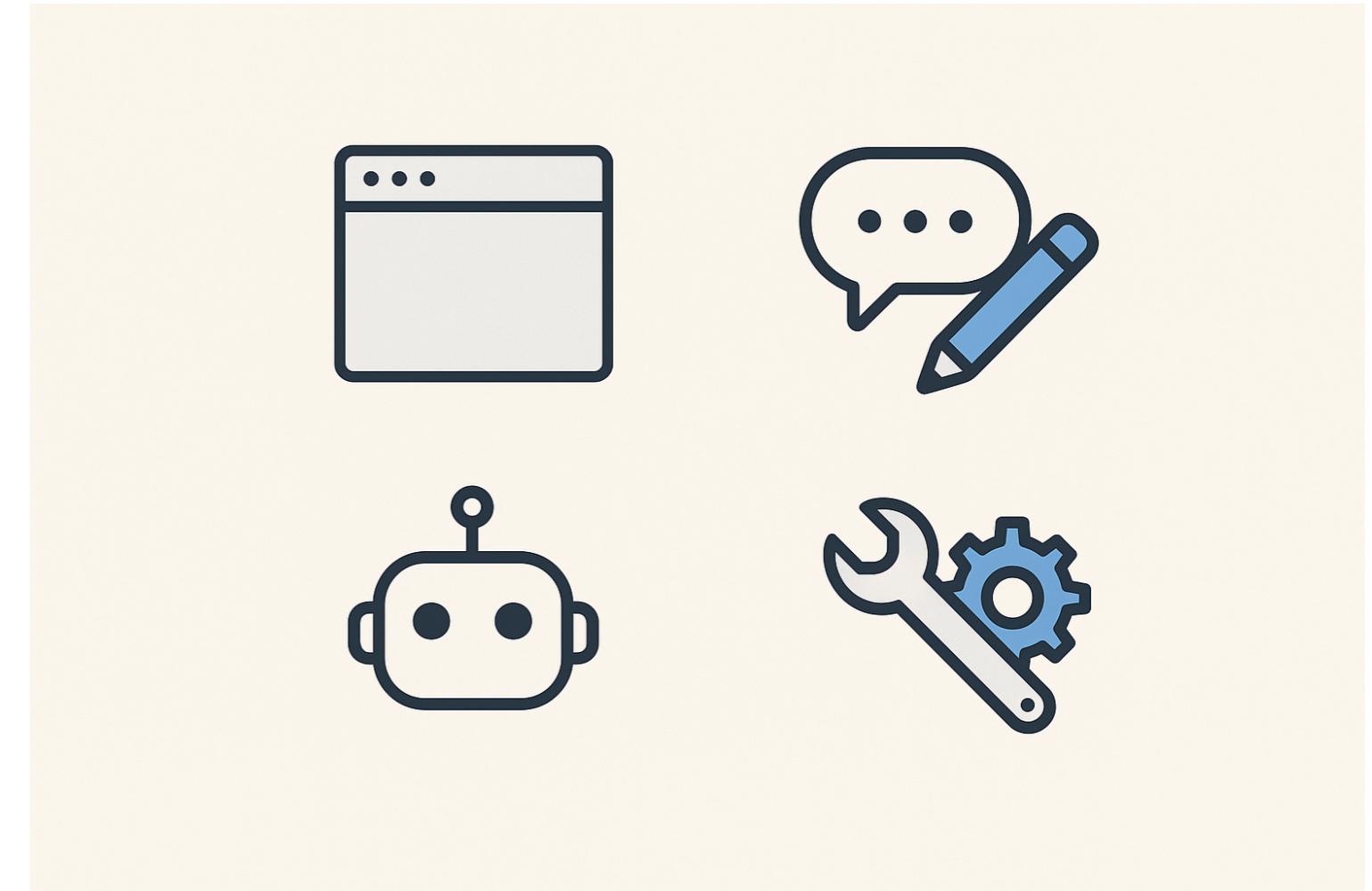
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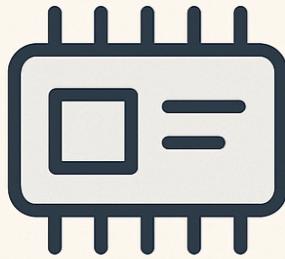
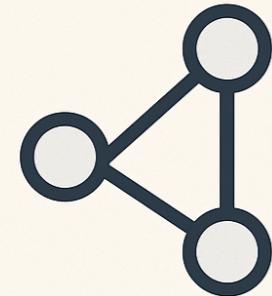
# What we learned

*From first steps with Cascade to full-scale deployment*

- Launching a context-aware workspace
- Cascade's chat and write modes
- Adding context
- Keyword and semantic search
- Web and document integrations
- Rules, memories, and workflows



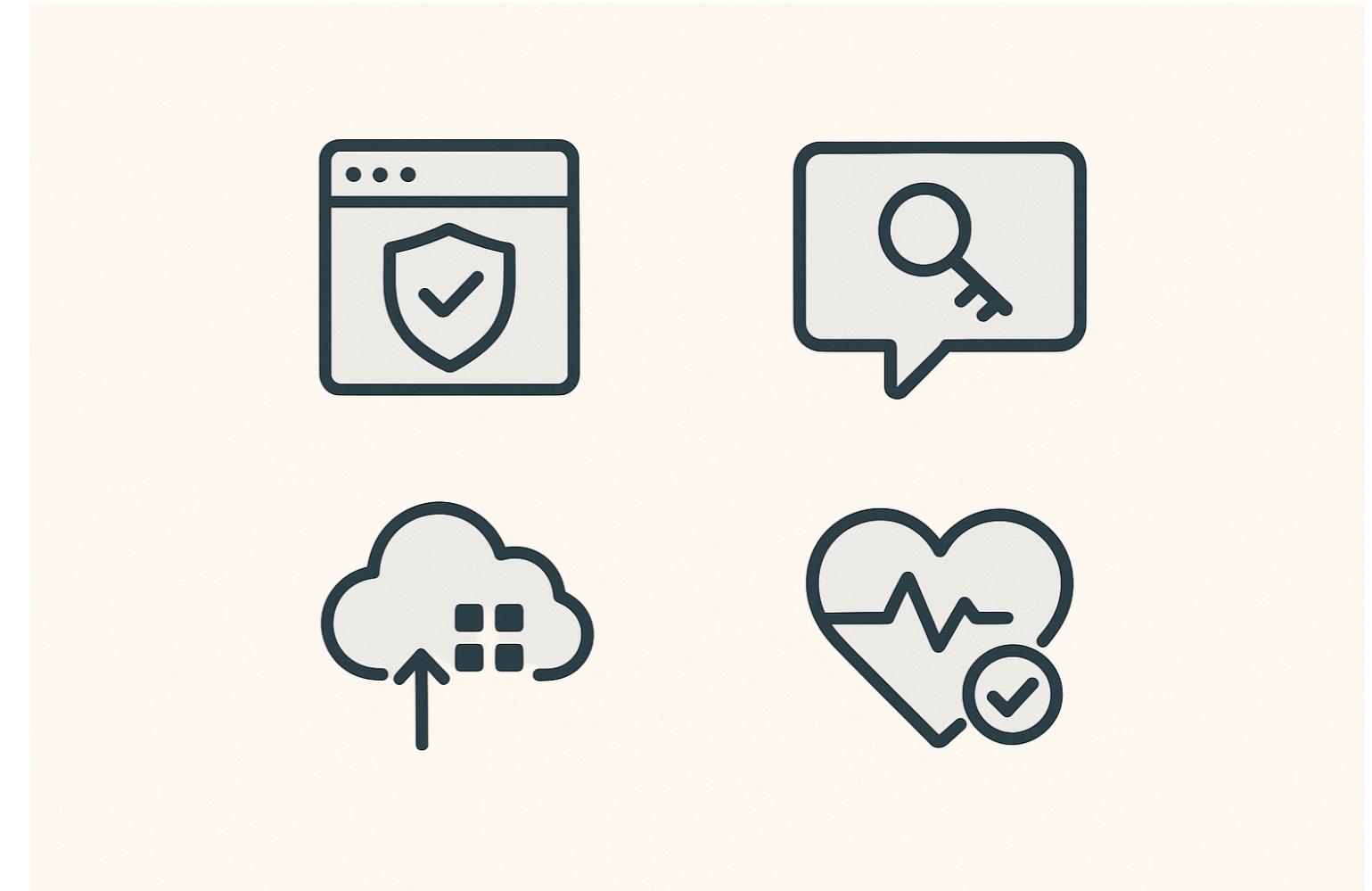
# What we learned



- Connect multiple AI-powered steps
- Rules to enforce standards and security
- Memory to retain project context
- Automate complex processes:
  - Code generation
  - Testing
  - Deployment preparation

# What we learned

- Scaffolded a full-stack news application
- JWT authentication
- OWASP Top-10 security checks
- Deployed directly from Windsurf
- Set up health-check monitoring agents



# Keeping up-to-date

- Windsurf's interface may change over time as technology evolves
- Core functionality, usage, and purpose remain stable
- Check the Windsurf Changelog for major updates and enhancements

The screenshot shows the official Windsurf website. At the top, there is a navigation bar with the Windsurf logo, search, and links for Products, Enterprise, Pricing, Blog, Resources, Company, and a Download button. Below the navigation, the main content area features a large heading 'Windsurf Editor Changelog'. At the bottom of this section, there are links for 'VIEW DOCS', 'FOLLOW US ON X', and 'WINDSURF NEXT CHANGELOG'.

# Next steps

- [Windsurf AI Agentic Code Editor: Features, Setup, and Use Cases](#)
- [AI-Assisted Coding for Developers](#)
- [Cursor vs Windsurf: A Comparison With Examples](#)



# **Thank you!**

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