



Hello **Aspire**

YOUR INVITATION TO
MODERN LOCAL
DEVELOPMENT

Agenda

ABOUT
THE INVITE
THE DASHBOARD
THE ORCHESTRATOR
QUESTIONS

Hello from Grand Rapids!

I'm Victor Frye

Your friendly neighborhood developer

Unchallenged #1 Clippy fan

Love the internet and fun

- victorfrye.com/blog
- microsoftgraveyard.com
- shrugman.com

Passion for .NET, React, Azure, Xbox

DevOps specialist at Leading EDJE

Building with Microsoft solutions



About **Leading EDJE**

Technology consultancy and services

- Strategists, innovators, partners
- Craft **bespoke solutions**
- **Positive disruption** of business norm

Real. Fun. Geeks.

Free lunch and learns

Expert talent

- Cloud infrastructure
- **Digital and app innovation**
- Data and AI
- Project management



Introducing Aspire

Simplifying Cloud-Native
Development with .NET

**A CLOUD READY STACK FOR BUILDING OBSERVABLE,
PRODUCTION READY, DISTRIBUTED APPLICATIONS**

The background features a large, abstract, organic shape on the left side, rendered in shades of blue and purple with a soft gradient. This shape has several smaller, rounded protrusions and indentations. Scattered across the light blue background are numerous smaller, semi-transparent spheres in various sizes, also in shades of blue and purple, creating a bubbly, ethereal atmosphere.

What is Aspire?

Aspire is...



Poorly marketed

One of a kind

- .NET-native Docker Compose?
- Spring Boot for .NET

Abnormal in the .NET platform

- Outside LTS and STS release cycle

Difficult to explain

- Best demonstrated

**The coolest thing in
software development**

An **invite** to a modern .NET platform

The .NET platform today



ASP.NET Core



EF Core



.NET MAUI



Aspire

The background features a light blue gradient with various abstract elements. There are several spheres of different sizes in shades of blue and purple. At the bottom, there are larger, more complex organic shapes in similar colors, some with a slight gradient. The overall aesthetic is clean and modern.

The Invite

WELCOME TO MODERN .NET

Removing ceremony



Aspire



dotnet run file.cs



**ASPIRE is NOT
exclusively for
.NET developers**

The background features several abstract, soft-edged shapes in shades of blue and purple. On the left side, there are larger, more complex blobs, while the right side is populated with smaller, smooth spheres. The overall aesthetic is clean and modern.

Opinionated application model

DEMONSTRATION

The background features several abstract, 3D-rendered shapes in shades of blue and purple. On the left side, there are larger, more complex blobs and spheres. On the right side, there are smaller, simpler spheres. The overall aesthetic is clean and modern.

Opinionated service defaults

DEMONSTRATION

Entrypoint

F5

dotnet run

Aspire CLI

The background features a light blue gradient with several 3D-rendered elements. On the left side, there are large, organic, bubble-like shapes in shades of blue and purple. Scattered across the right side are several smaller, smooth spheres in various sizes and shades of blue and purple.

aspire run

DEMONSTRATION

The background is a light blue gradient with various abstract elements. There are several spheres of different sizes in shades of blue and purple. At the bottom, there are larger, more complex organic shapes in similar colors, resembling liquid or soft blobs. The overall aesthetic is clean, modern, and futuristic.

The Dashboard

YOUR PORTAL, YOUR APPLICATION

Local developer portal

- See all resources
- See health and state
- See console logs
- See event traces
- Customize your resources

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Resource Graph

DEMONSTRATION

The background features a light blue gradient with several 3D-rendered elements. On the left side, there are large, overlapping organic shapes in shades of blue and purple, resembling bubbles or soft clouds. Scattered across the right side are several smaller, smooth spheres in various shades of blue and purple. The overall aesthetic is clean, modern, and minimalist.

Custom URLs

DEMONSTRATION

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Tracing Telemetry

DEMONSTRATION



Make the **ASPIRE**
dashboard **COZY**
and **INTELLIGENT**

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The Orchestrator

LOCAL FRIENDLY, CLOUD READY

Dependency definitions

Define dependencies in App Host project

- Executables
- Containers
- Project references

Local instance, run it

Cloud instance, parameterize it

Aspire manages variable dependencies

Unlocked possibilities



Near-instant
startup



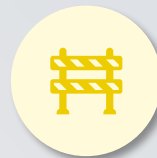
Architecture as
code



Telemetry traces



Integration testing
orchestration



Publish
infrastructure

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Integration Testing

DEMONSTRATION

Current limitations



Container lifetimes



No interactive console



Support lifecycle



Azure Static Web Apps



Monorepo orchestration



Documentation

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Thank you

Provide feedback



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