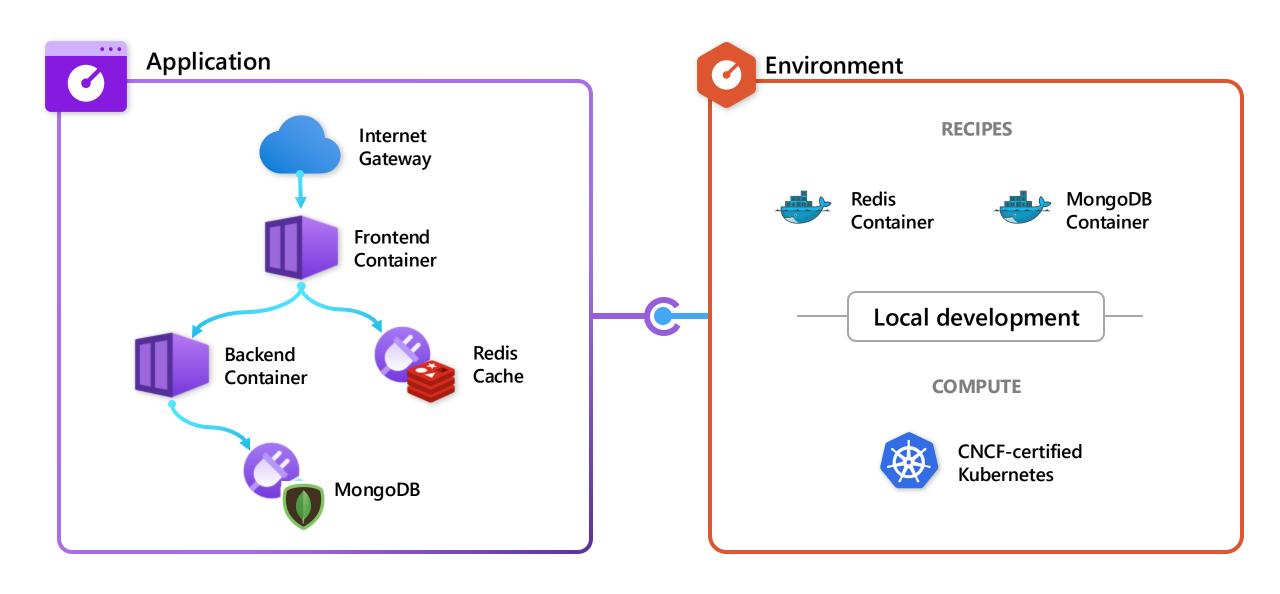


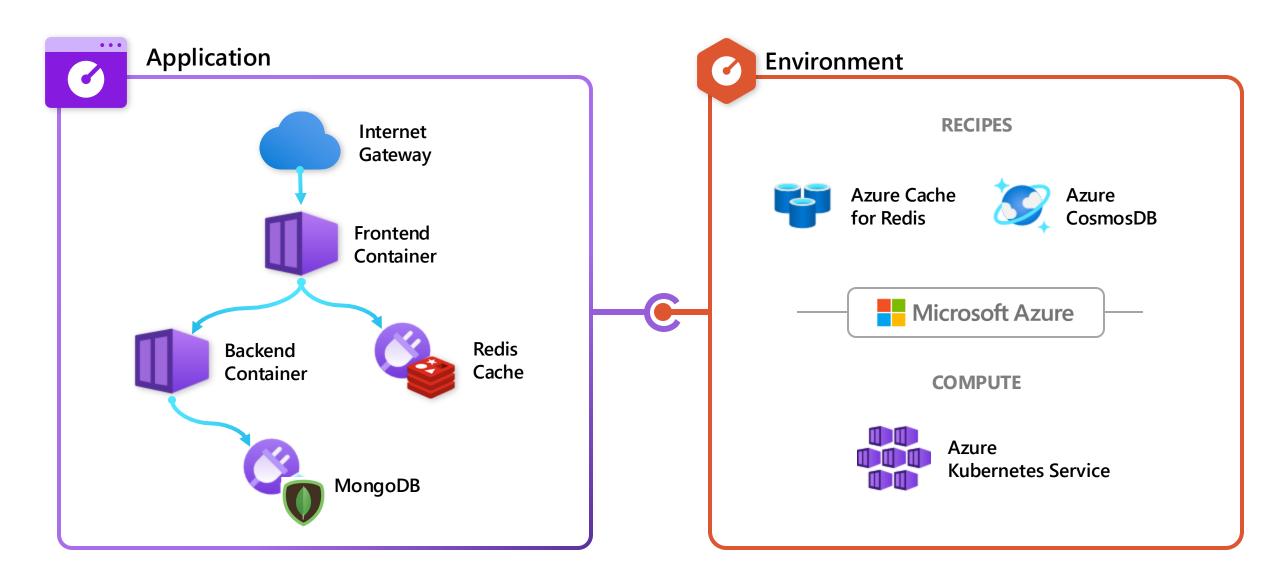


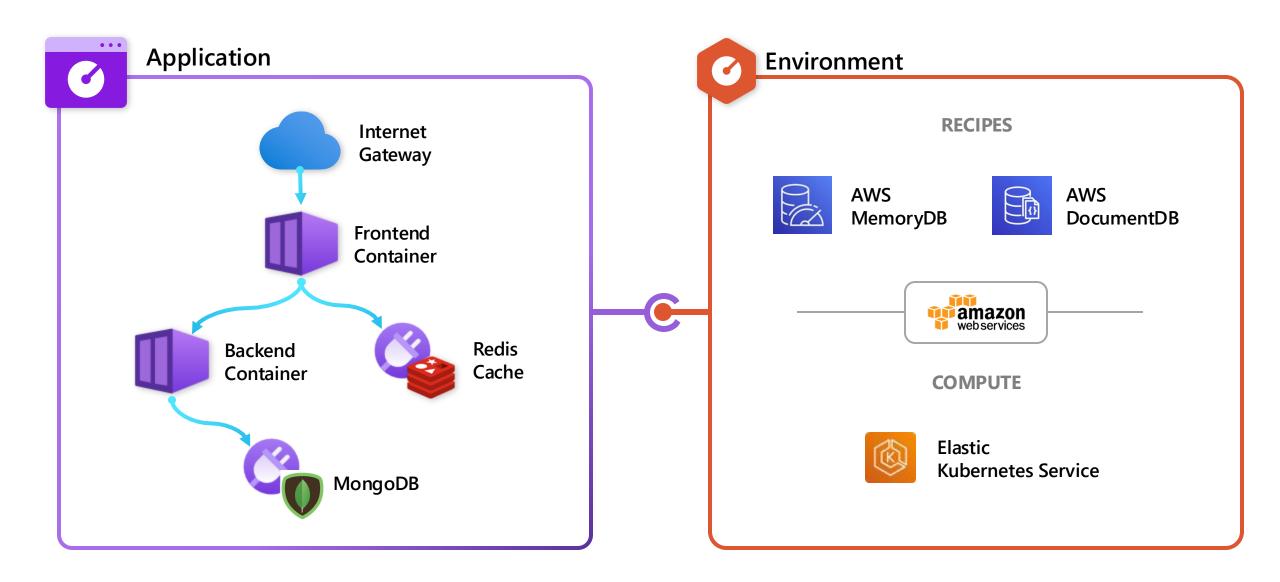
Cloud-native application platform that works on any cloud











Radius Dashboard

- Problem: Radius concepts need to be visualized
 - Solution: Ship a dashboard as a part of Radius distro

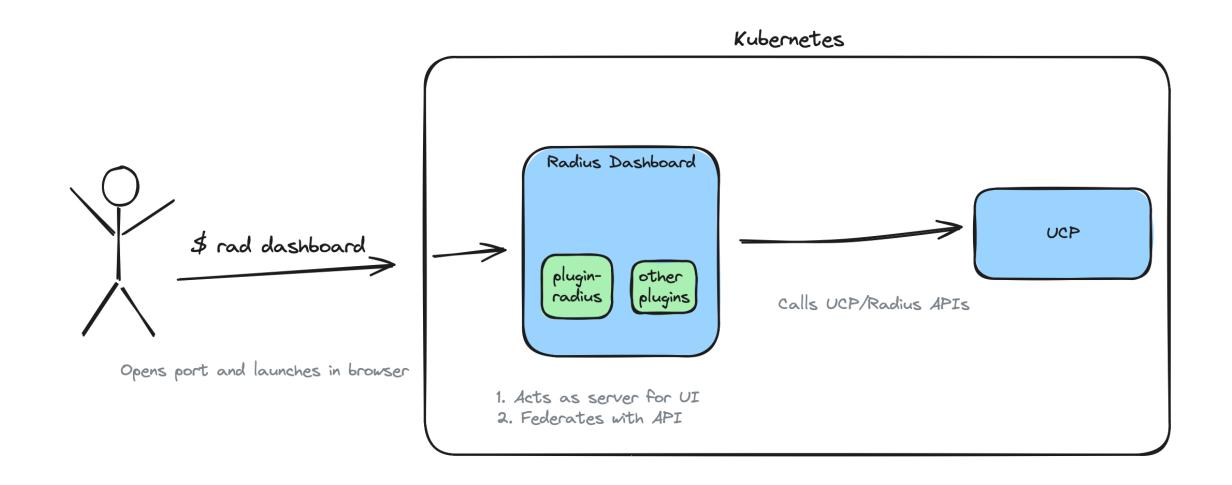
- Problem: GUI work is specialized and often duplicative
 - Solution: Build using Backstage to leverage framework and libraries

- Problem: Users are happy with their existing dashboards
 - Solution: Implement as plugins for extensibility and customization

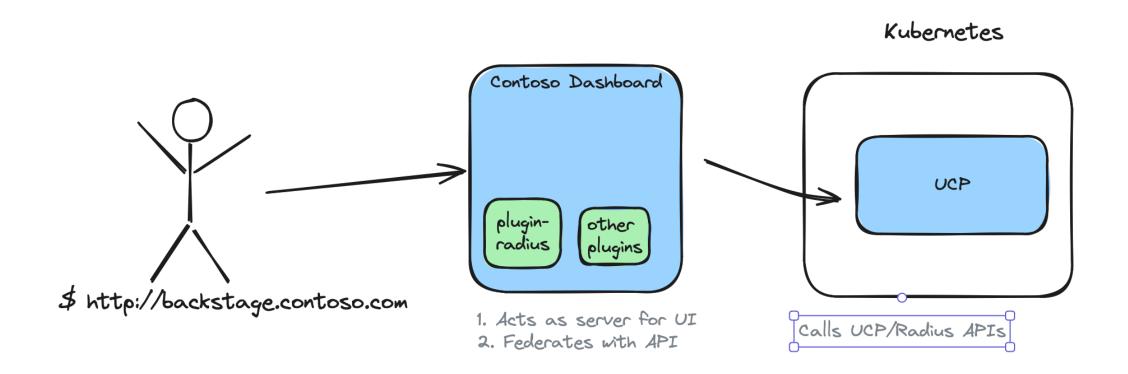
DEMO

Radius Dashboard

Architecture and Design: Dashboard in Radius



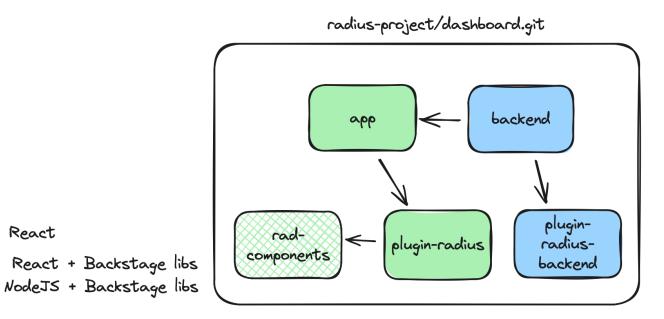
Architecture and Design: User-hosted Backstage



Architecture and Design: Technology & Packages

React

- Typescript/TSX
- Backstage:
 - app: frontend UI (React)
 - backend: backend (NodeJS)
- Plugins:
 - o plugin-<name> (React)
 - plugin-<name>-backend (NodeJS)
 - Backend is optional
 - Plugins get compiled-into app or backend
- rad-components contains AppGraph visualization
 - o Pure react, no dependency on Backstage
 - We will reuse this in other places like GitHub Copilot integration



Good, Bad, and Not-sure

Good

- Easy to get started: project creation, theming, plugins.
- Easy to add to our existing architecture and call existing API

Bad

- Container size. Took a lot of work to get to ~950mb (minimal plugins)
- o Dashboard is included in Radius install and increases install time moderately
- o Could shrink install size with two-phase build but ended up fighting with JS build system.

· Not-sure

- Started building integration between app-graph and catalog.
- Not sure if it's a good idea.

Future Work

- Improvements to application graph UI
- · Integration between application graph and software catalog
- · Build additional plugins to expose other Radius features, e.g. recipes management, resource modifications, etc.

· Interop with other plugins to enrich existing dashboard experiences

Learn More



Documentation



docs.radapp.io

Learn how to get started with Radius and start radifying your own applications



GitHub



github.com/radius-project

Log bugs, suggest features, and view source code



Discord



aka.ms/radius/discord

Ask questions, troubleshoot problems, and show off your Radius applications