
AWS
re:Invent
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AUT203

Accelerate and scale using cloud-native tools and virtualized targets

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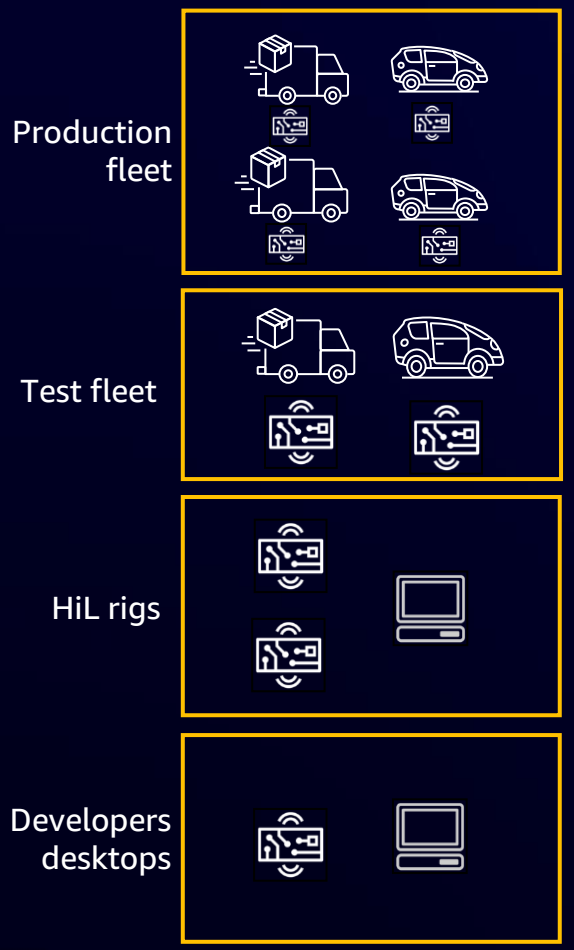
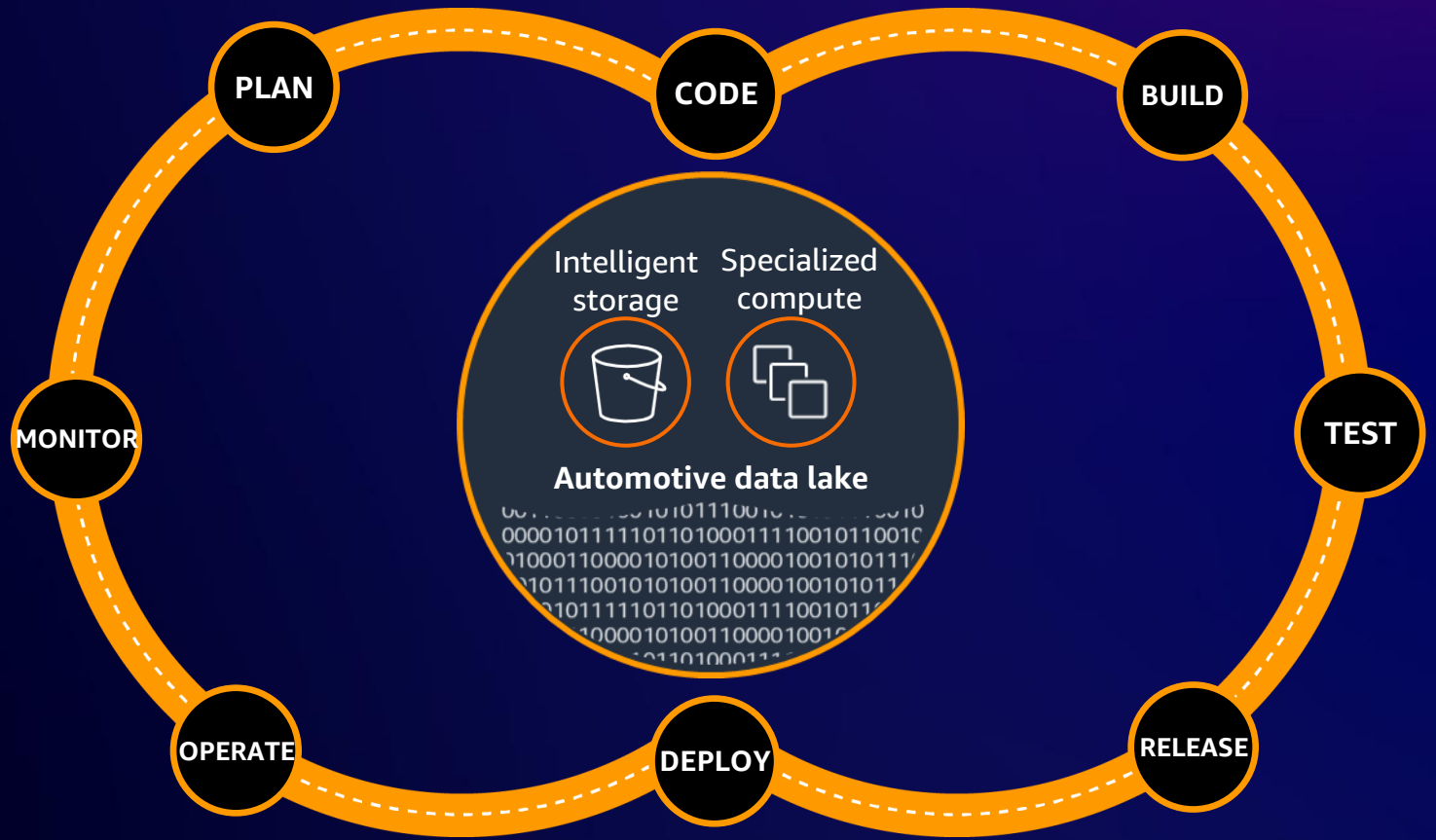
The automotive software development loop

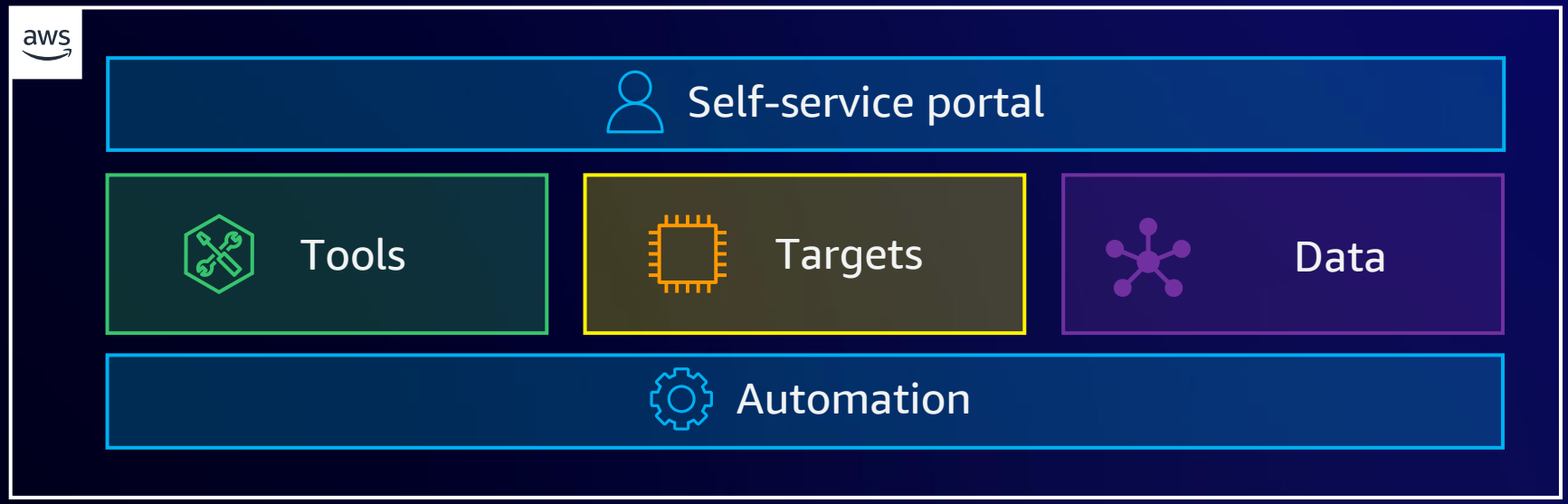


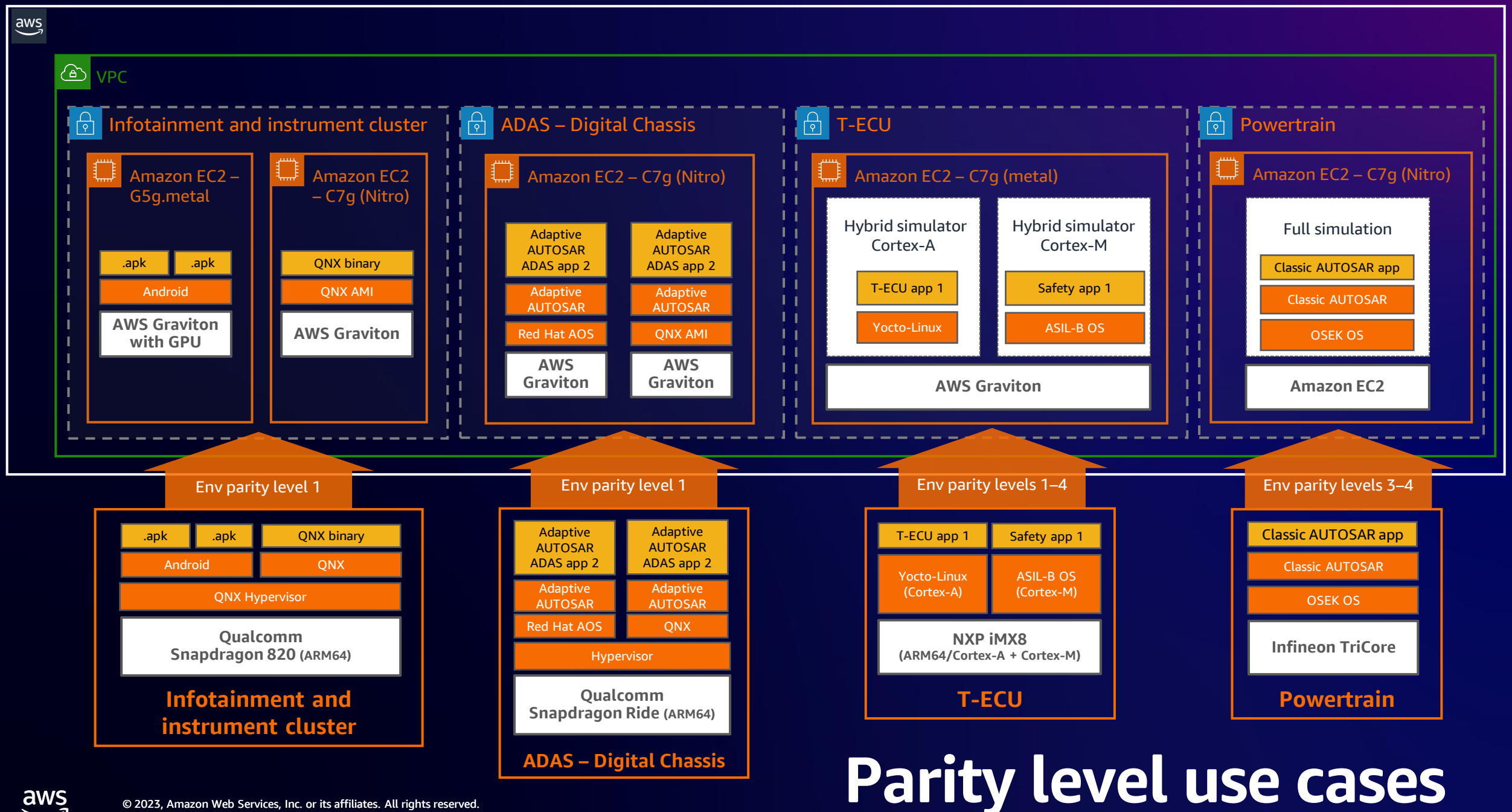


Virtual Engineering Workbench (VEW)

Workbench examples:

- AUTOSAR Classic development environment
- ADAS camera
- ADAS simulation synthetic scene data
- Linux development environment
- Entertainment system
- User input simulation

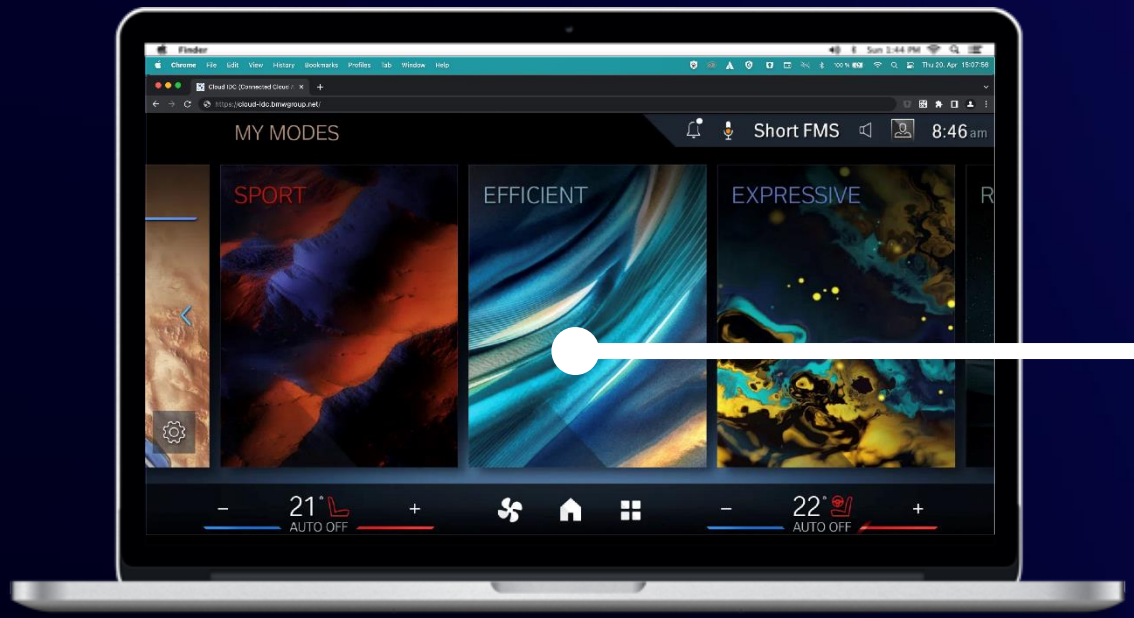




Parity level use cases

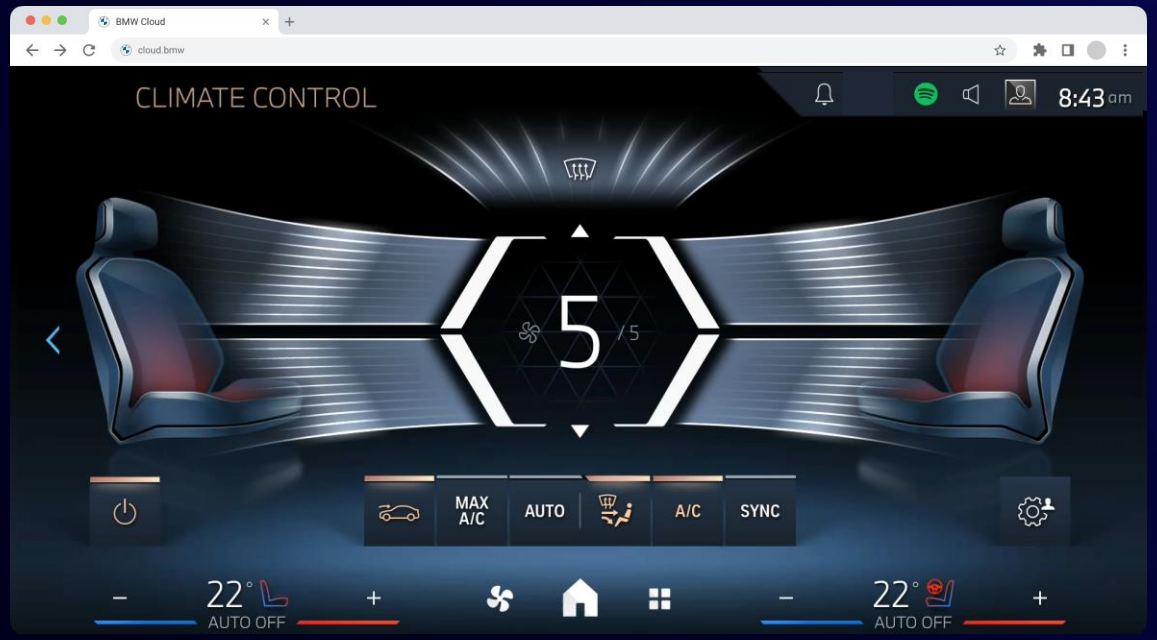
BMW CLOUD OS 9

Designed, built, & operated by BMW



Deployed on AWS global infrastructure

CLOUD OS 9 @ WEB BROWSER



BMW SOLUTION: SELF-SERVICE & AUTOMATION

Enable easy access & lifecycle management

Automatic installation (e.g. testing tools), expose ports for ADB

SELF-SERVICE PORTAL

TARGETS

TOOLS

AUTOMATION

Provide latest BMW OS 9 images; instantly usable & configured

API first & all things automated to orchestrate the solution by BMW

WHAT'S NEXT

```
$ docker compose -f neue-klasse.yml up
```

Thank you!

Please complete the session survey in the mobile app

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