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EUROPE'S LEADING AEM DEVELOPER CONFERENCE

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Quick Websites with AEM Site Templates

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Setting up a simple AEMaaCS website

AEMaaCS

Deploy

Maven

Java

OSGi

Integrate

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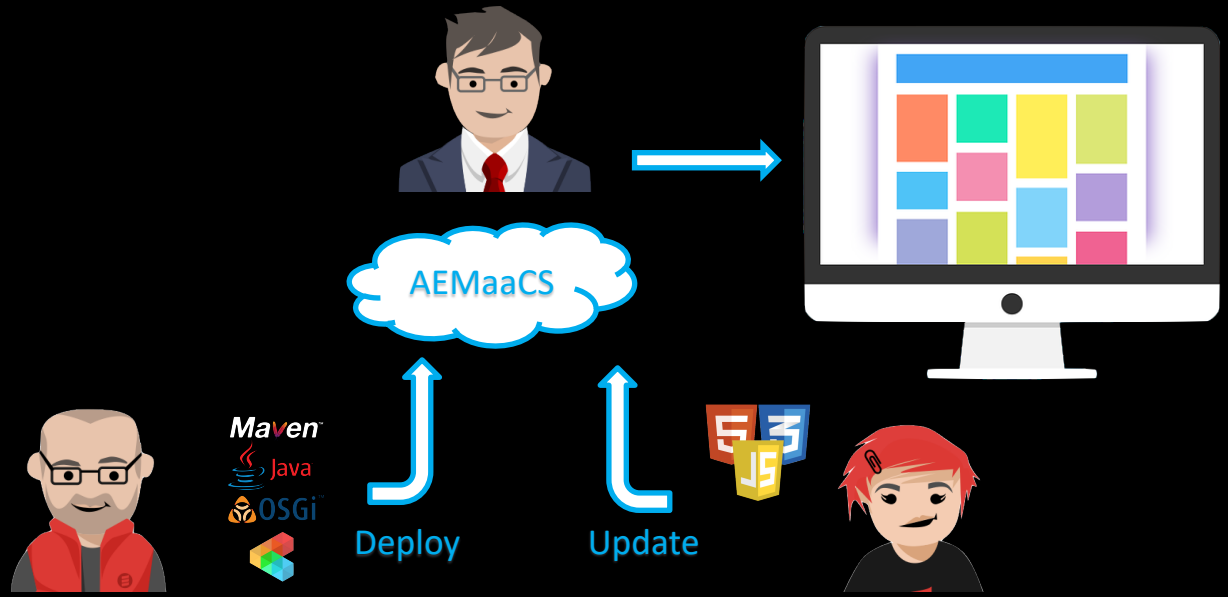
Setting up a simple AEMaaCS website

- Now
  - Setup AEMaaCS program and environment
  - Create project (from archetype)
    - Install in local SDK
    - Create templates, content policies
    - Customize look and feel
    - Push to git and deploy: >45 minutes
    - Repeat on each change

A simpler way



What will you need?

- AEMaaCS program and environment
- Site Template
- Some AEM experience
- Frontend developer
  - Purely frontend project and tools
  - No need for local SDK or Java development

Site Template

- ZIP file
  - Seed content package (editable templates, policies, content)
  - Frontend package - Theme
    - Sources
    - Compiled artifacts (CSS, JS, fonts…)

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Creating a site from a template

- Install seed content package
  - Rename to desired name
- Default frontend artifacts from theme
  - Shipped with the template
  - Configuration-driven

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Customizing appearance of a site

- Download theme sources frontend package
  - Modify and build locally
  - Preview changes through local proxy (npm run live)
- Push to git and deploy
  - Dedicated frontend pipeline (npm run build)
  - Fast: <5 minutes
  - Frontend artifacts (CSS, JS, fonts, images) served from static domain with immutable URLs

Where do I get the Site Template from?

- AEM Standard Site Template
  - https://github.com/adobe/aem-site-template-standard
  - Leverage Core Components
  - Webpack for frontend build
- Alternative Site Templates
  - Own corporate template/toolkit
  - Partner-created
    - Headwire https://www.ez-aem.com

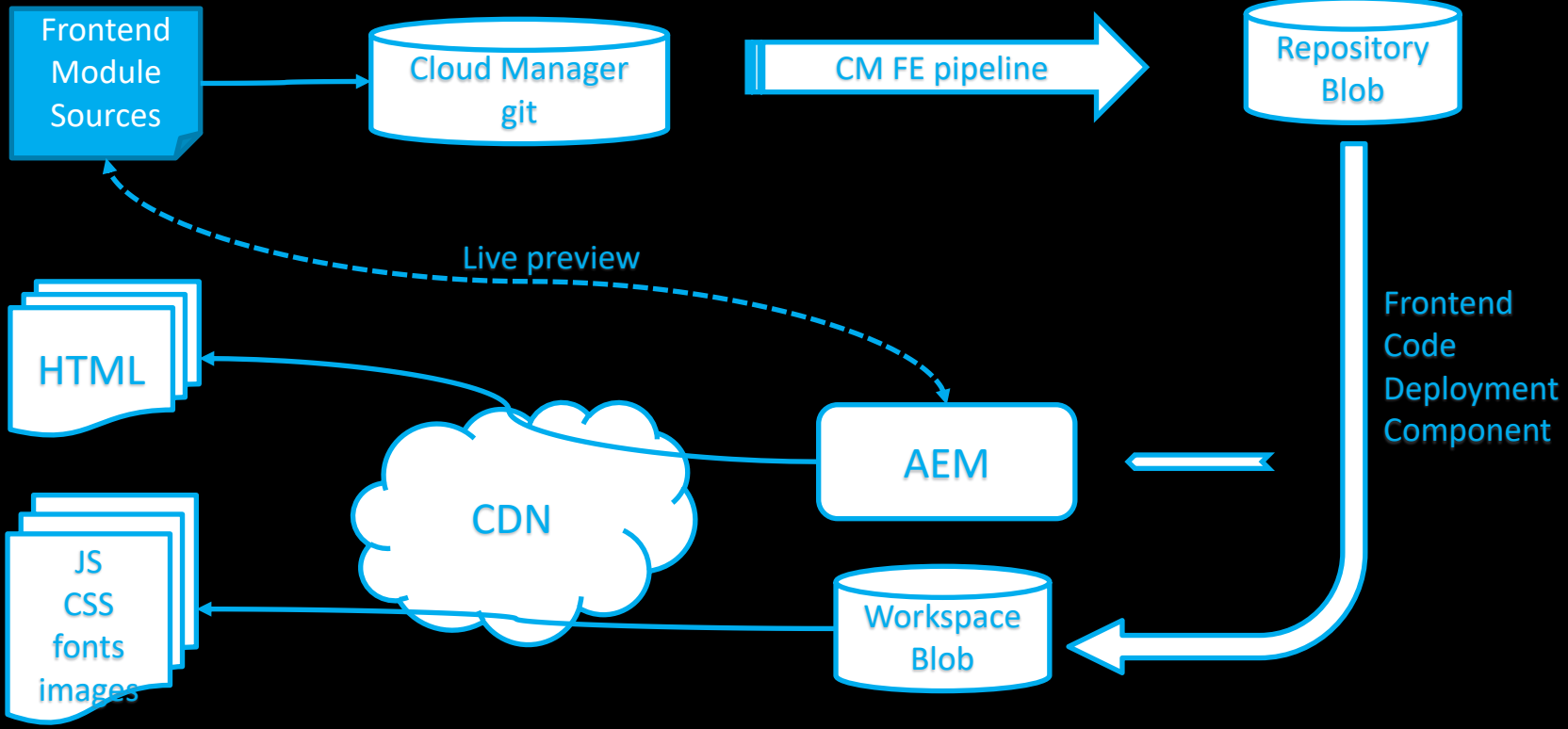
Just Frontend?

- Yes
  - npm dependencies
- Build steps
  - npm audit
  - npm install (ci)
  - npm run build -> ./dist

Build pipeline

- Github action – beta program
- Cloud Manager pipeline
  - Build
  - Validation
- Collect ./dist files
- Serve from immutable static URLs
  - https://static-p15404-e28953-cmstg.adobeaemcloud.com/6d3dcac5e863878fa074addbf779325043a522cab98093e3eaa37a5655ae7eff/css/theme.css

Frontend code build and delivery pipeline



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Embedding in AEM site

- Configuration driven, allows BYOCDN
  - SiteConfig
  - HtmlPageItems
- Activation across tiers (author, publish, preview)
  - Automatic – dev, stage
  - Manual – prod

Demo

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What's next?

- Make it GA
- WKND tutorial
- Support for multiple/generic frontend packages
  - SPAs or custom frameworks/builds
  - Clientlibs

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What's next?

- Smooth transition from frontend-only to full-stack
  - Core Components -> customized
- Better integration of style system options
- https://aemcomponents.dev
- Your own templates

Thank you!