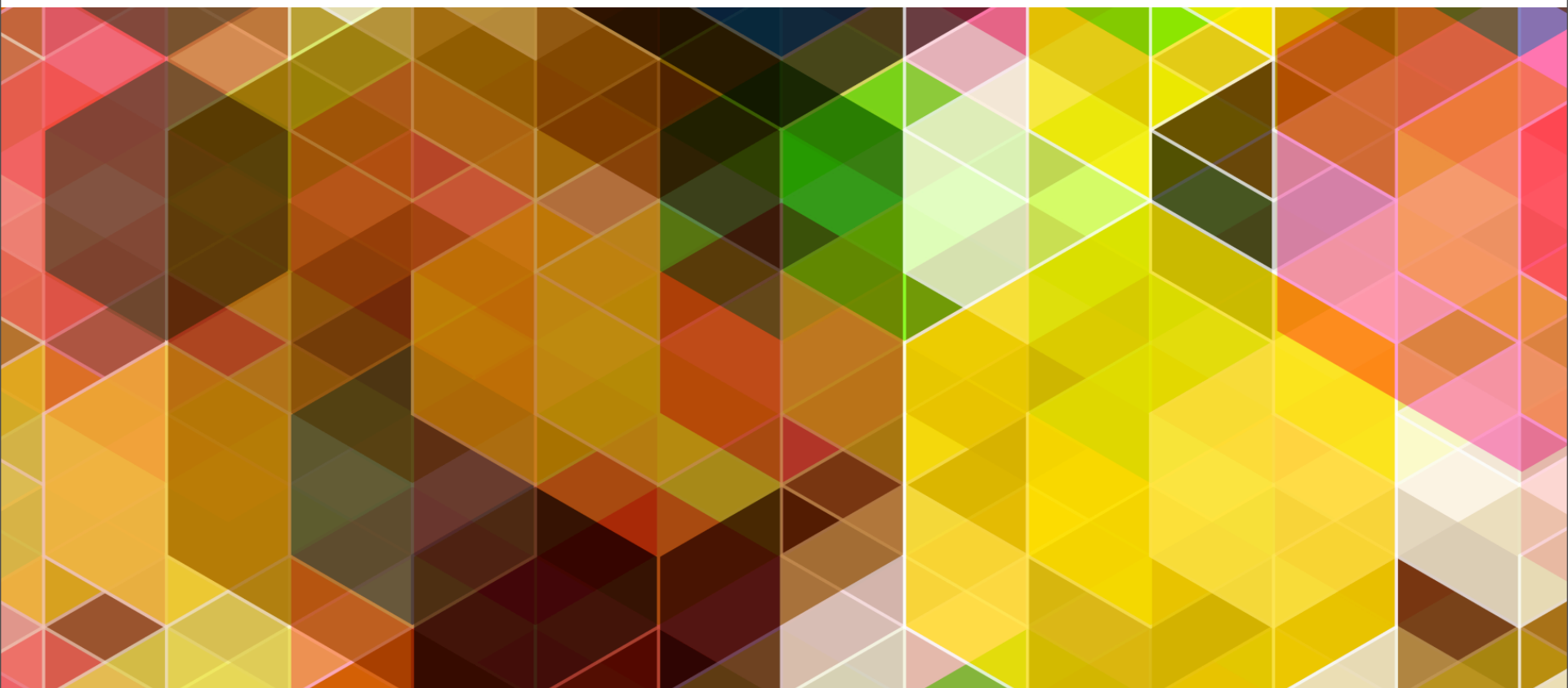# CQ Gems on Adobe Experience Manager
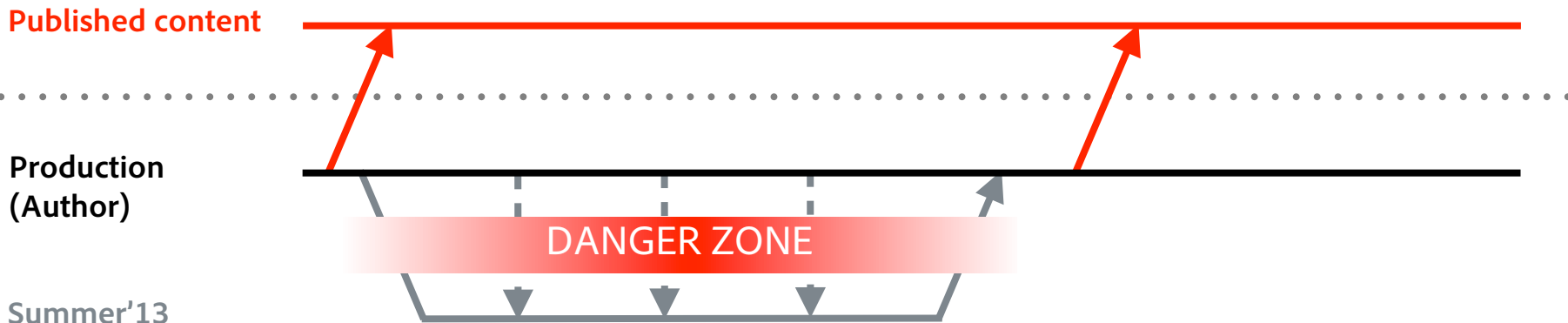
Gilles Knobloch | Launches (AEM 5.6.1)

Launches use cases

- Live content needs to be maintainable

- Very often, your content is iterative

- Next iteration is based on previous one

- Content of previous iteration is often the one in production ("Live")

- Example:

  - Next season's product catalog is based on this season's product catalog

  - Media company preparing versions of their homepage for each day of the week

- **Launches provide ability to prepare multiple versions of a website concurrently**

Typical solution

- Manual copy of Production site

- Edits are duplicated manually

- Eventually make usage of live copies

- Replacing current Production content with Next Release is tricky and error prone

Published content

Production (Author)

DANGER ZONE

Summer'13

Launches goals

- Prepare content in advance

- Allow multiple versions of the page to be worked concurrently

- Promote the changes back to production version

- Backup your previous working version
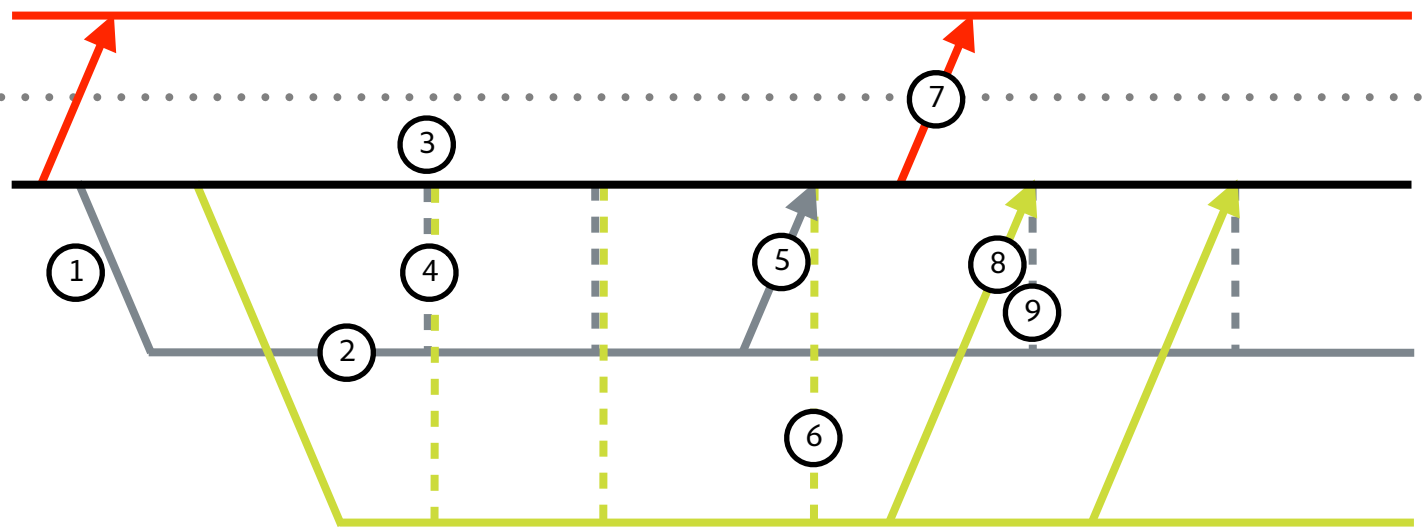
A Launches user workflow

- Create a branch of the current content

- Edit content of the launch

- Edit content of the production version & duplicate changes in the launch

- Promote the launch, to replace the production version on author instance

- Activate content

Advanced features

- Switch between versions

- Create or delete pages

- Disconnect a launch from production version

- Clone a launch

- Delete a launch

- Restore a previous version

- Workflow packages integration

- Launches Administration UI

Technical view

- API available to developers

  - com.adobe.cq.launches.api.Launch

  - com.adobe.cq.launches.api.LaunchManagerFactory

  - com.adobe.cq.launches.api.LaunchManager

    - check if a resource belongs to a launch

    - get existing launch(es)

    - create / clone

    - delete

    - promote

Content storage

- Launches are stored under `/content/launches`

  - No activation rights

- Launch: *cq:Page* containing the launch configuration

  - Title

  - Source resource

  - Launch date

  - Live Copy flag

  - Last modification / launch promotion

- Children: reflects the production tree

Production	`/content/geometrixx/en/company`
Launch	`/content/launches/summer/content/geometrixx/en/company`

Launch promotion

- Based on *MSM*

  - A specific rollout configuration: `/etc/msm/rolloutconfigs/launch`

- Get the corresponding production page

- Create a jcr:version of the production page in case something goes wrong

- Pause other live copies of launch's source page

- Create virtual live relationships for each resources of the launch

  - Could not be a persisted relationship

- Rollout those relationships

- Re-enable paused live copies

- (Add resources to workflow package)

- Update last promotion date

DEMO

What's coming next?

- Full integration in Touch-optimized UI

    - Launches to be visible from "References list"

- UI enhancements

    - Enhancement wizard to create a launch (for instance change template)

    - List changed pages before promoting a launch

- Optimizations and hardening

Adobe Technologist Resources

- Adobe.com/go/gems

  - Upcoming CQ Gem Sessions

  - On-demand CQ Gem Recordings

Developer Resources: http://dev.day.com/docs/en/cq/current/wcm/launches.html

Twitter Handles
@Adobe CQ
@Adobe WEM
@paolomoz
@bdelacretaz

AEM Blog

Adobe Marketing Cloud

Adobe CQ Enterprise Users Group