



L736 – Experience Manager Search Demystified

Ian Reasor & Tim Donovan | Technical Architects, Adobe Partner Experience

The background of the slide is a complex, colorful collage of various geometric shapes, including triangles, squares, circles, and polygons. The colors range from bright primary colors (red, yellow, blue) to muted tones (teal, grey, black). The word 'SUMMIT' is prominently displayed in the center in large, white, 3D block letters. The letters have a slight shadow and are set against a dark blue background. The overall composition is dynamic and modern, typical of Adobe's branding style.

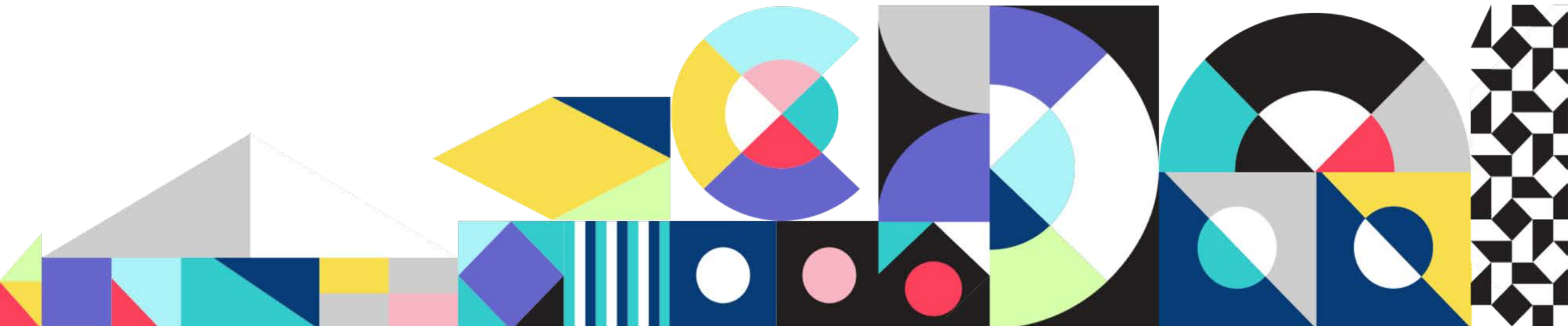
SUMMIT

1 | Welcome and Overview

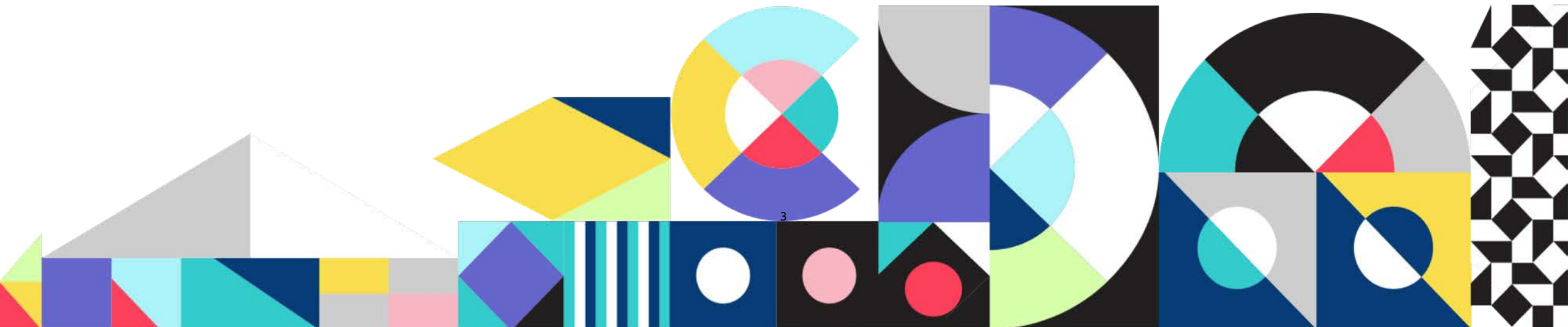
2 | An Overview of Search

3 | Lab Exercises

4 | Q & A



Who Are These Guys?



ADOBE PARTNER EXPERIENCE



TECHNICAL PRACTICE DEVELOPMENT

APx works with partners to mature their Experience Cloud delivery practice to ensure consistent and repeatable outcomes.



PARTNER COMMUNITY DEVELOPMENT

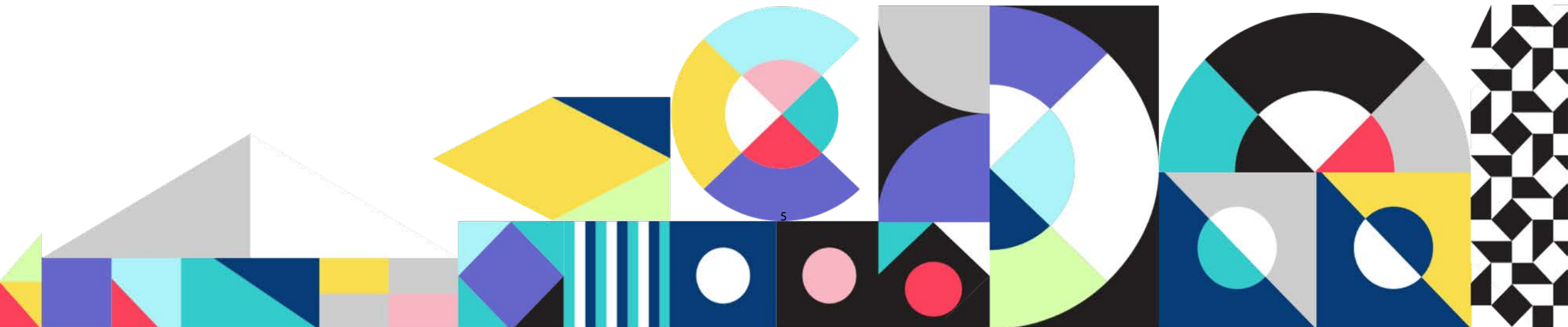
APx organizes and contributes to unique opportunities for partners to interact with Adobe experts to learn the latest implementation best practices and product features.



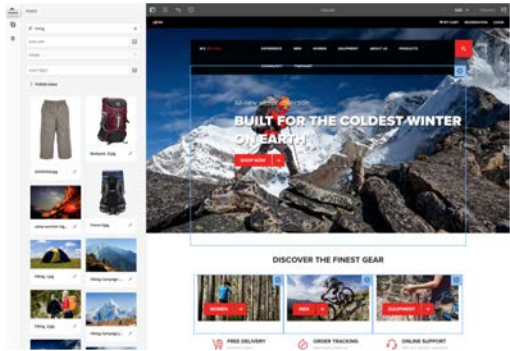
DELIVERY ASSURANCE

This benefit for Specialized Partners is a collaboration that provides expert insights and guidance to help them successfully implement the Adobe Experience Cloud products with their customers.

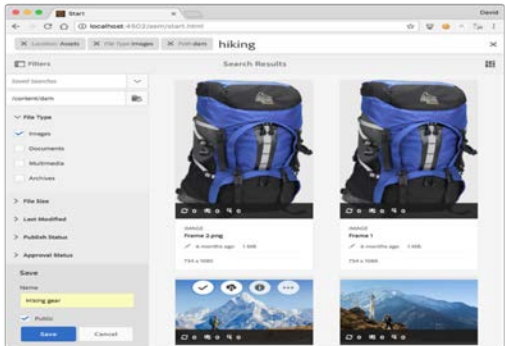
A Brief Overview of Search



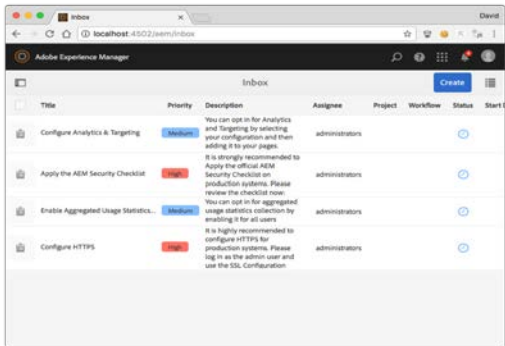
Search Is Everywhere in AEM



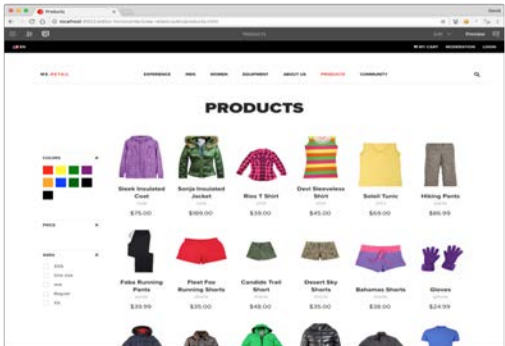
Page Editor



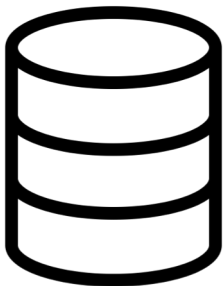
Omnisearch



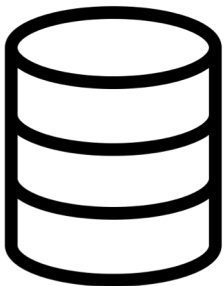
Inbox



End user search

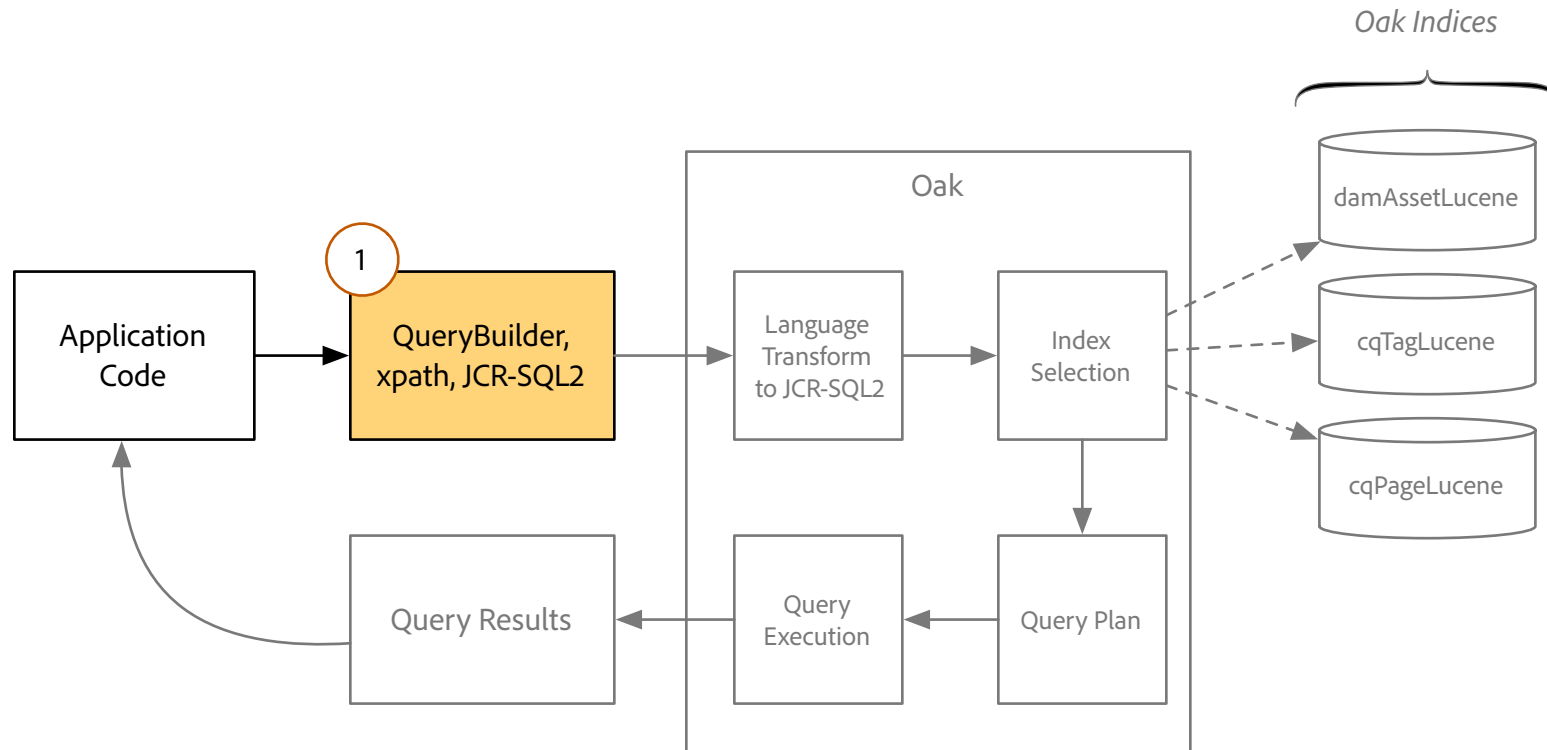


author



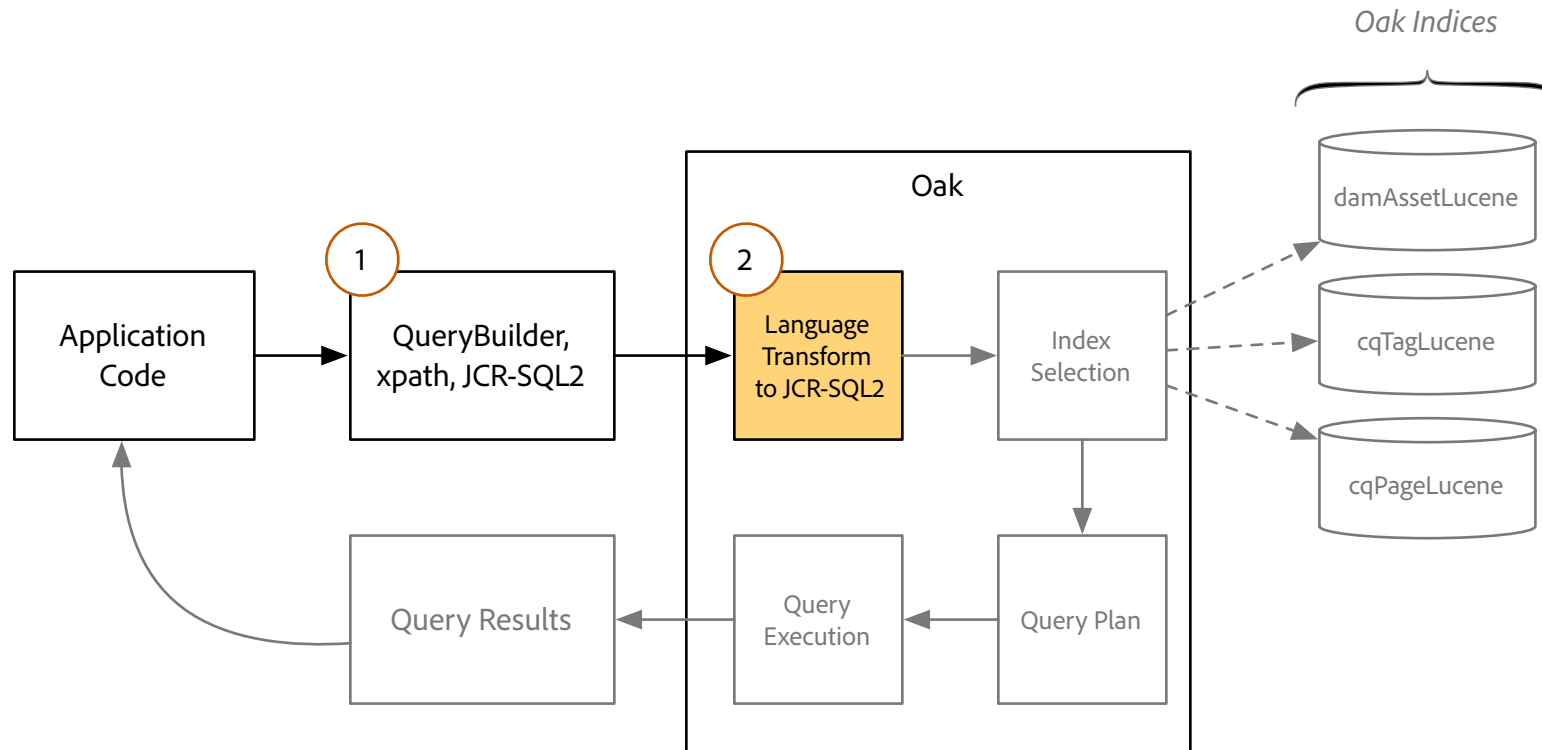
publish

Search flow



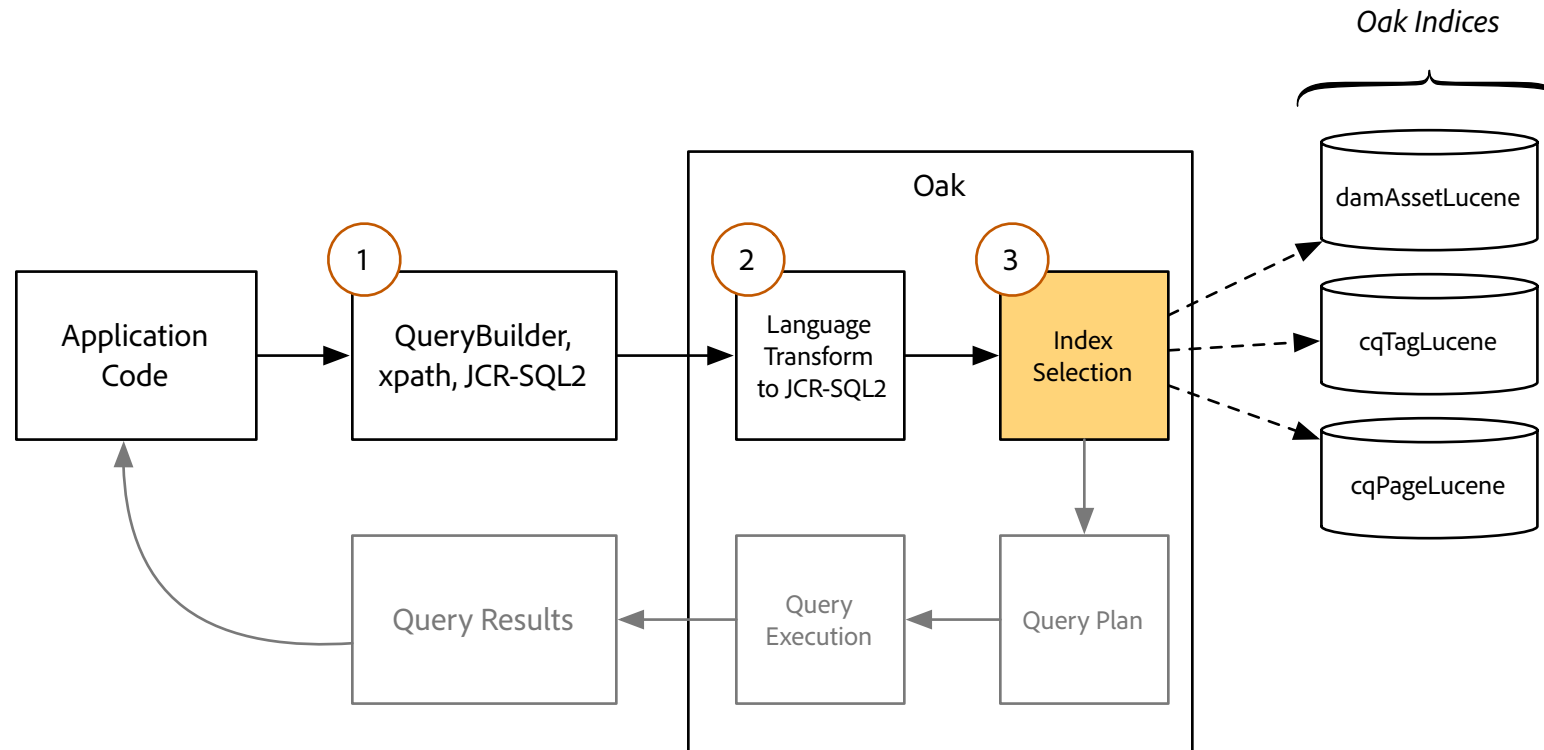
1. Application code creates the query

Search flow



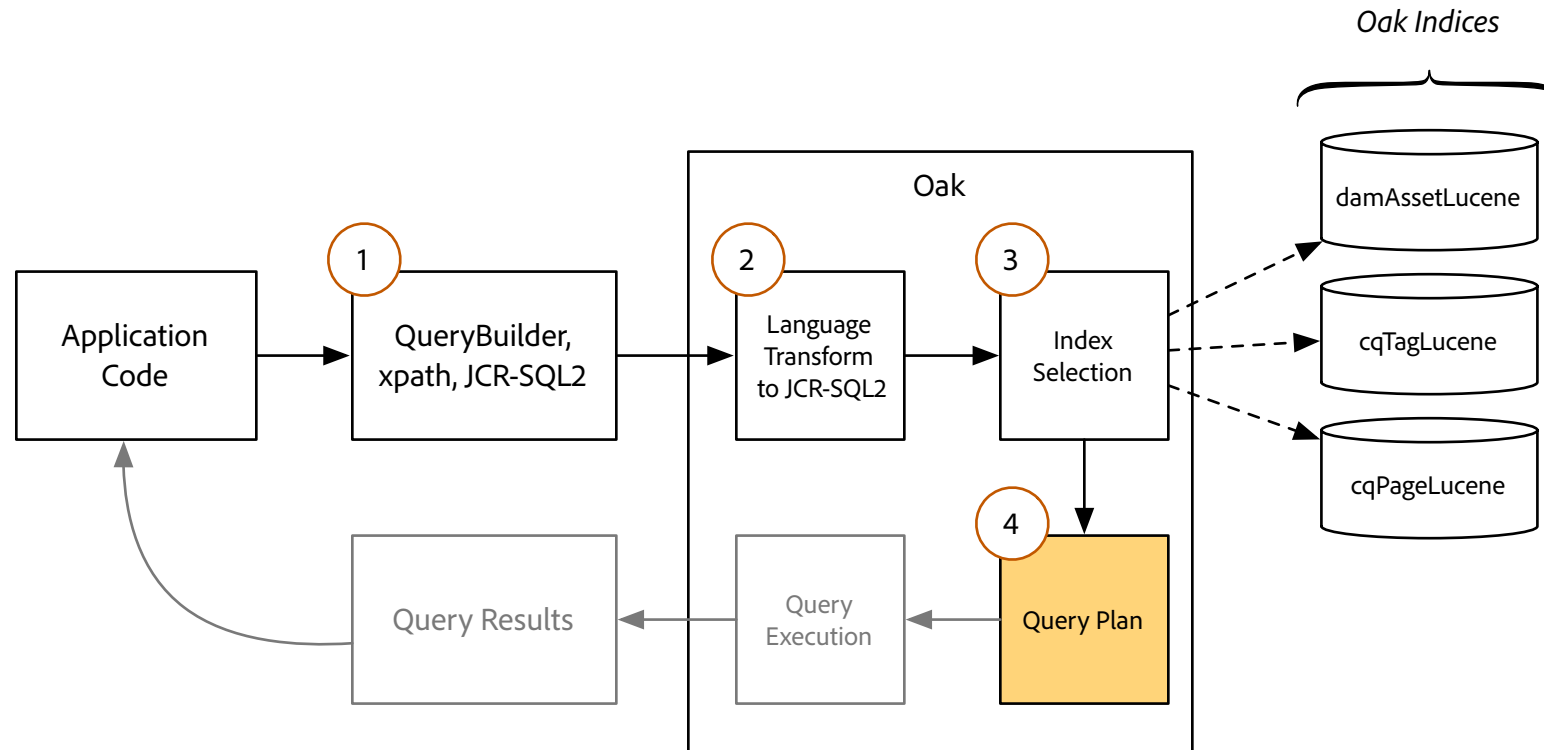
1. Application code creates the query
2. The query is optimized and translated to JCR-SQL2

Search flow



1. Application code creates the query
2. The query is optimized and translated to JCR-SQL2
3. Oak chooses the best index to satisfy the query

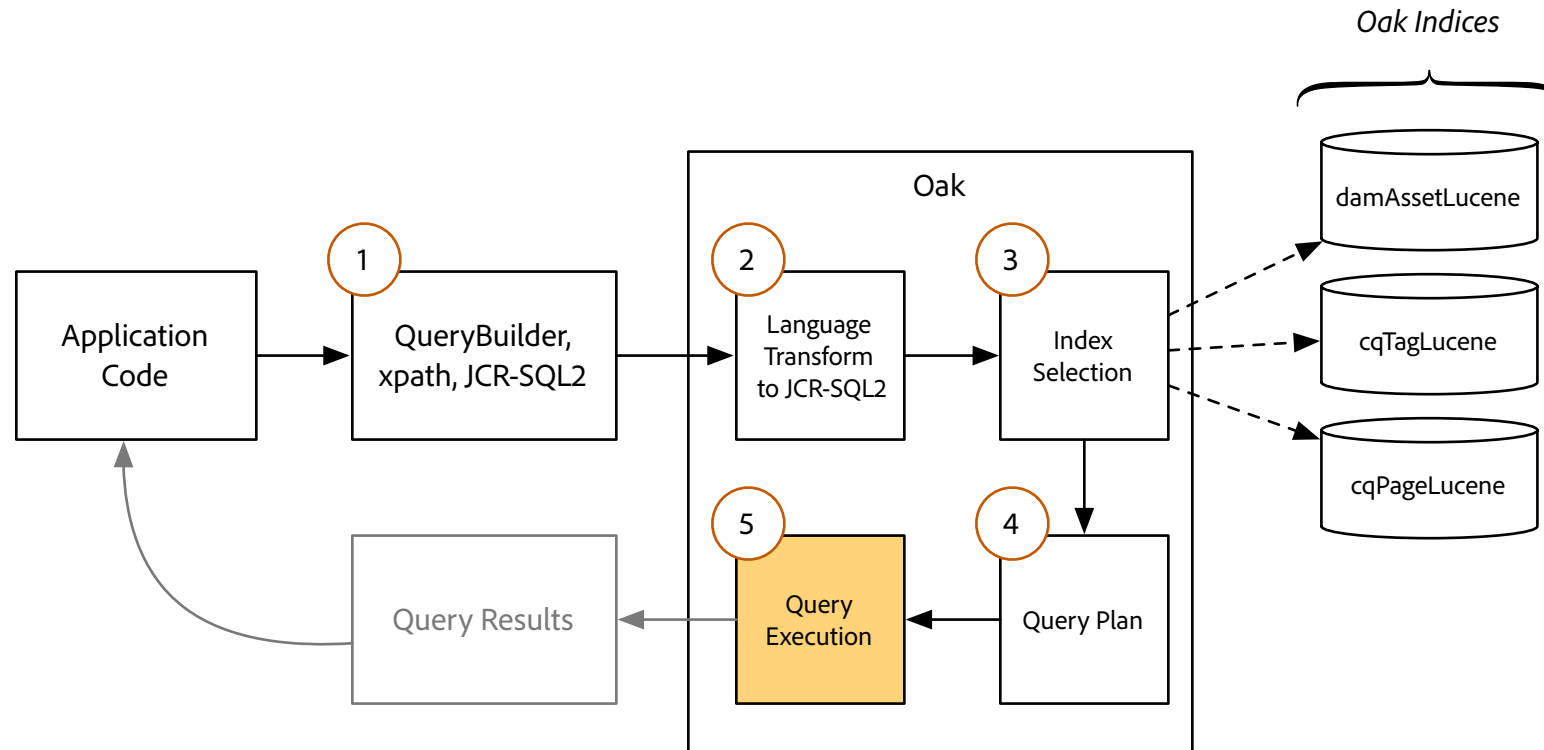
Search flow



1. Application code creates the query
2. The query is optimized and translated to JCR-SQL2
3. Oak chooses the best index to satisfy the query

4. Oak generates a query plan

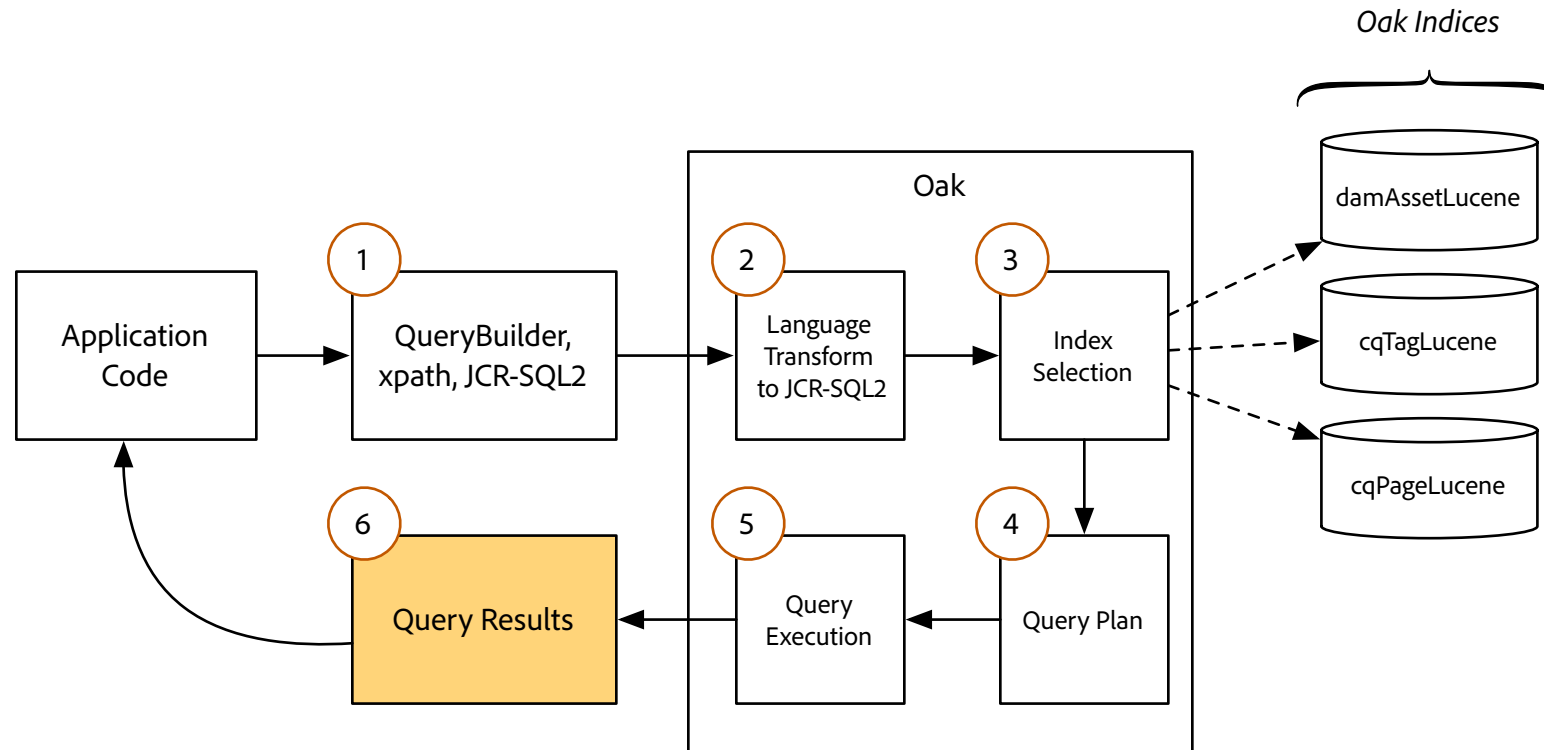
Search flow



1. Application code creates the query
2. The query is optimized and translated to JCR-SQL2
3. Oak chooses the best index to satisfy the query

4. Oak generates a query plan
5. The query is executed

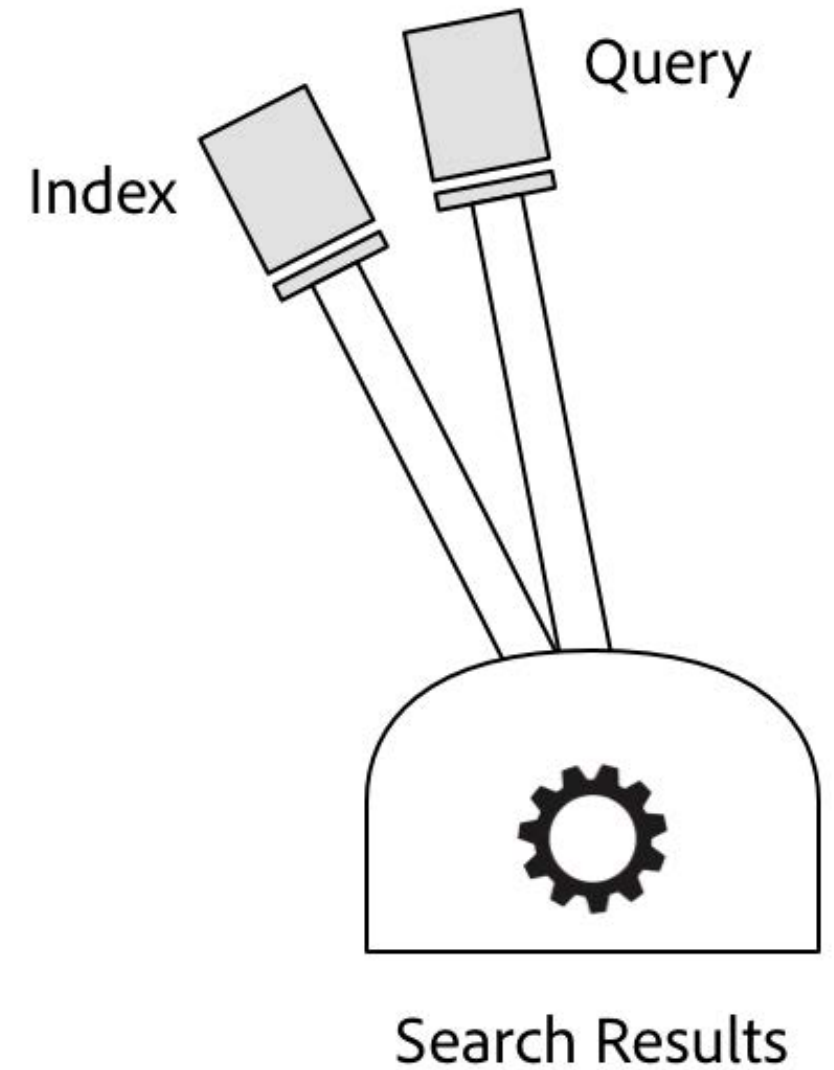
Search flow



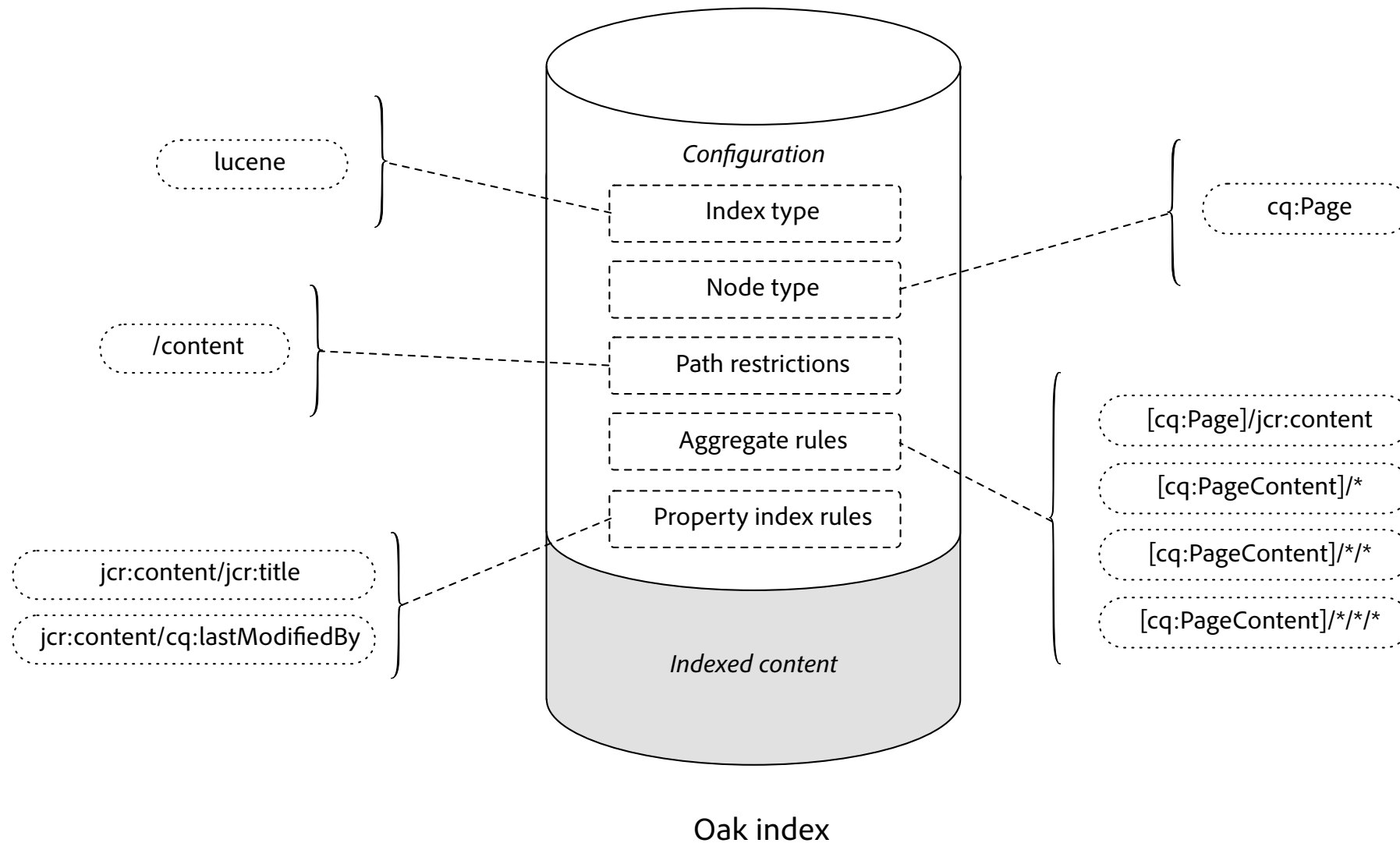
1. Application code creates the query
2. The query is optimized and translated to JCR-SQL2
3. Oak chooses the best index to satisfy the query
4. Oak generates a query plan
5. The query is executed according to the plan
6. Results are returned to the application

Search configuration levers

Two levers to control search behavior:



Anatomy of a Lucene index



The Lab

Environment

- AEM Author environment 6.4 (*pre-release load*)
- Simple search component
- ~3,300 pages of content

Lab Materials

- Workbook – chapter based
- Bookmarks in browser
- Solution packages
- Code available afterward at <https://github.com/Adobe-Marketing-Cloud/Summit2018>

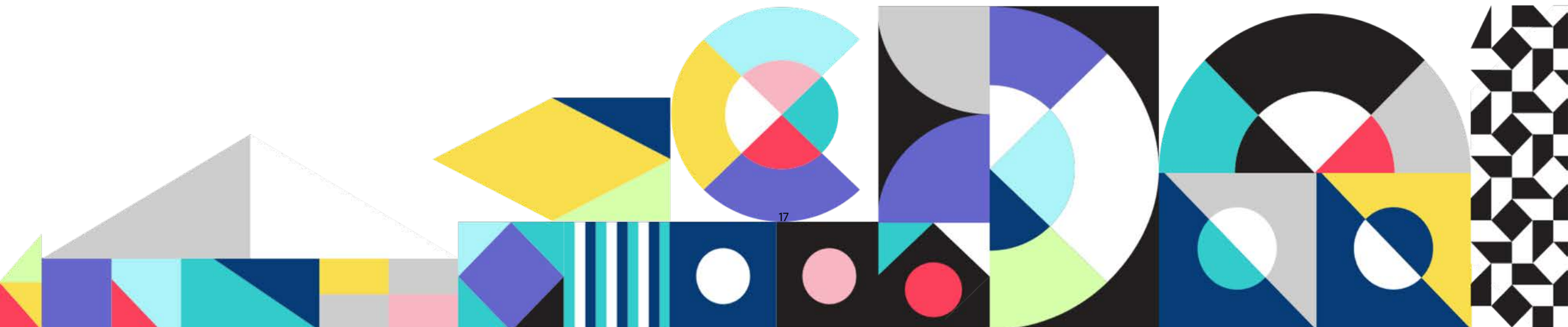


New Features We Will Not See Today

- Smart Translation Search
 - Leverages machine translation to translate search queries on-the-fly
 - Integrates with Apache Joshua
 - Supports more than 50 languages
- Indexing via oak-run
 - Decreases the time needed to reindex
 - Reduces resource consumption
 - Can be executed out-of-band
 - Maintenance window still recommended



PSAs



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Public Service Announcement #1

Re-indexing rarely (*~never*) solves problems with search or indexes!

In this lab, we re-index frequently via CRXDE Lite to see incremental changes.

In real life, you should minimize the frequency of re-indexing, execute it only during maintenance periods, and use the new oak-run method (if using 6.4).

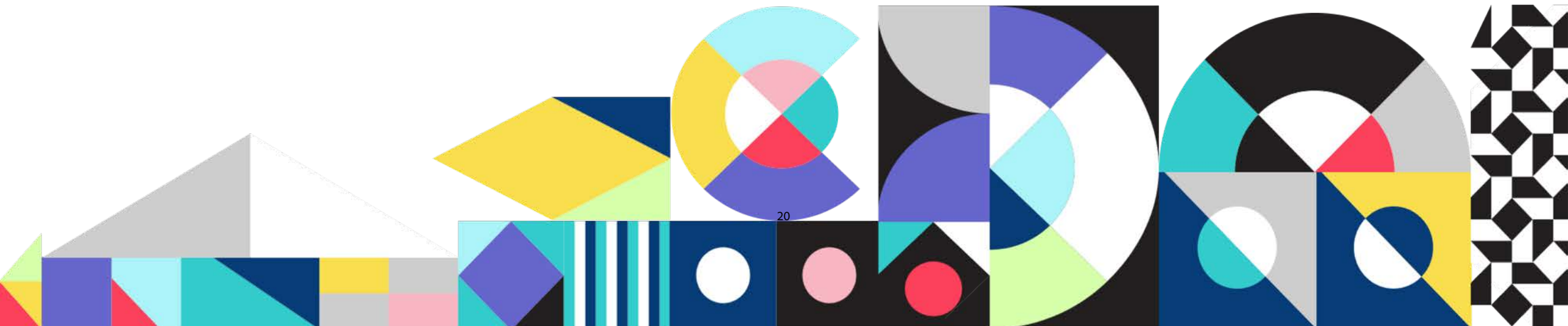
Public Service Announcement #2

Managing index configurations directly in AEM is bad!

In this lab, we make changes to index configurations directly via CRXDE Lite for expediency.

In real life, treat your index configurations as code and keep them safe in SCM as part of the AEM application content package.

The Lab





Adobe Experience Manager Community

LAB Thread: <http://bit.ly/lab0736>

Join Community : <https://adobe.com/go/AEMCommunity>



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Community**



**Share
Resources**



**Interact with Adobe
Product Experts**



**Attend Live
Webinars**



**Be an
Ambassador**



**Get
Recognized**



**Share
Feedback**

Take the Survey to win!

(Survey section of the mobile app)

SESSION PRIZE

one per session



STARBUCKSCARD

\$10 Starbucks
Card

DAY 1



Bash
Experience

DAY 2



Signed football
helmet

DAY 3

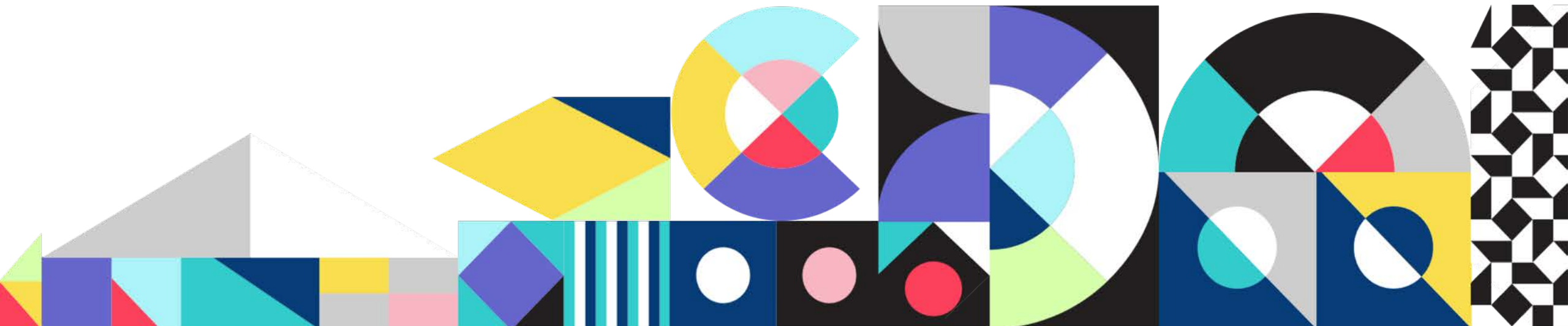


Amazon Echo Show
& Cloud Cam Bundle

Q & A

Ian Reasor
ireasor@adobe.com

Tim Donovan
tidonova @adobe.com





Adobe

MAKE IT AN EXPERIENCE