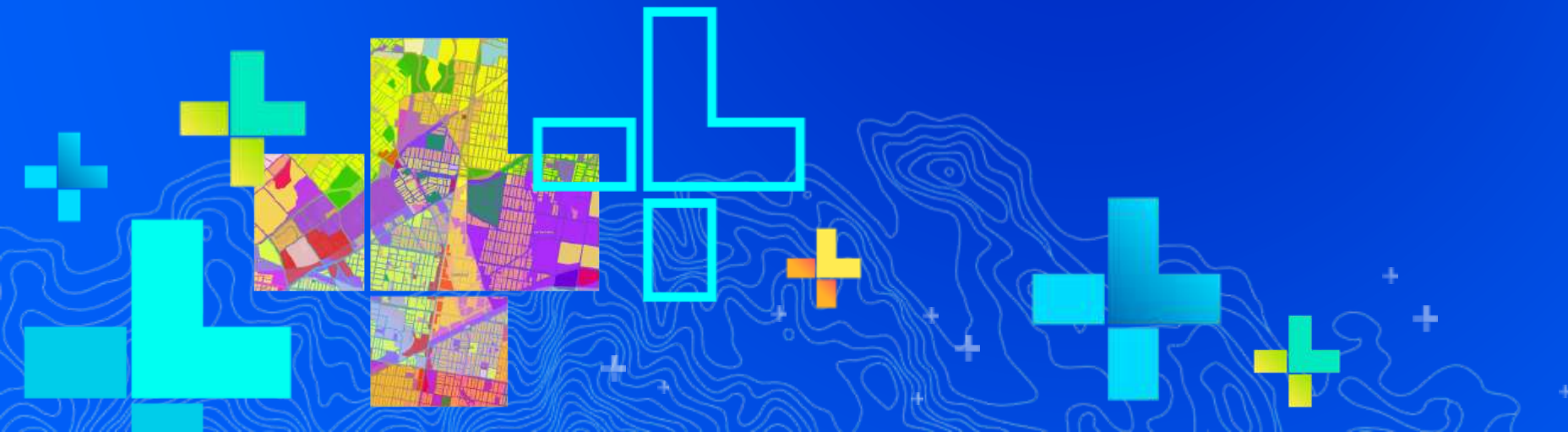


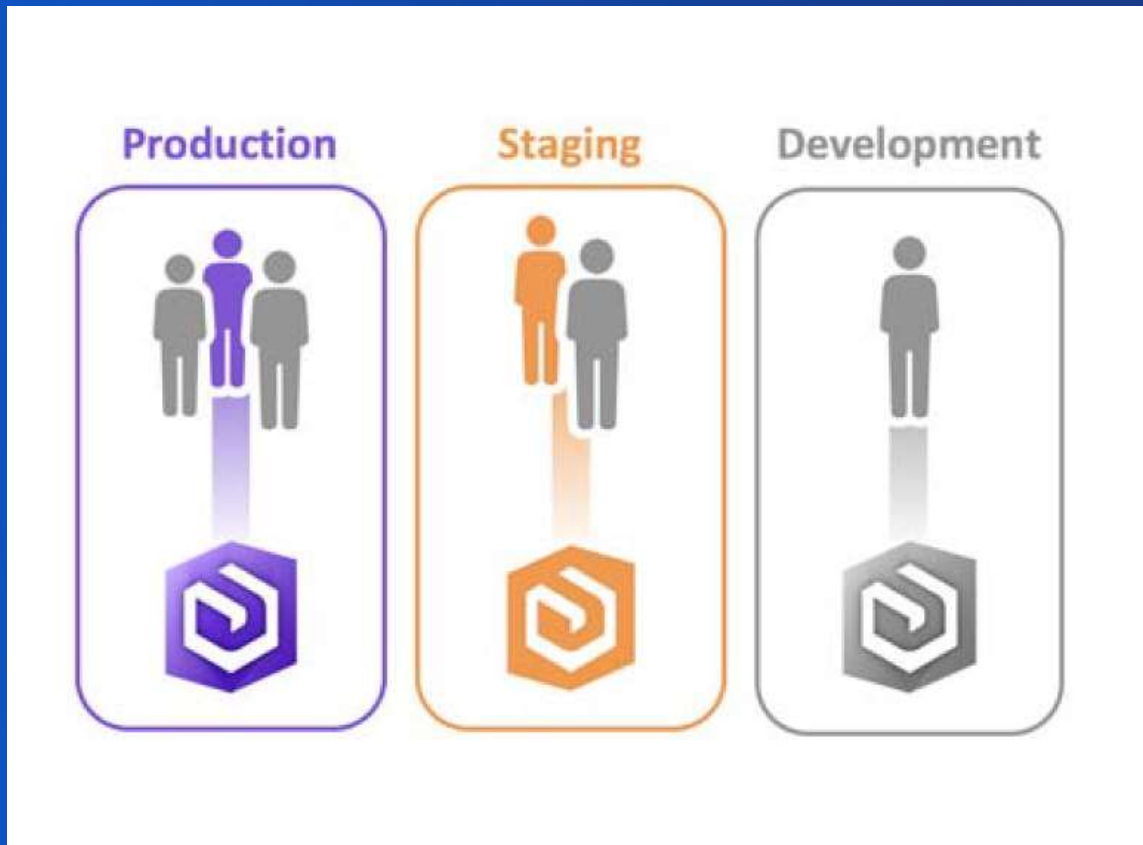
Designing a Robust Environment: Environment Isolation

Danny Krouk
Jay Rajamohan



Provide reliable and available systems for your business operations

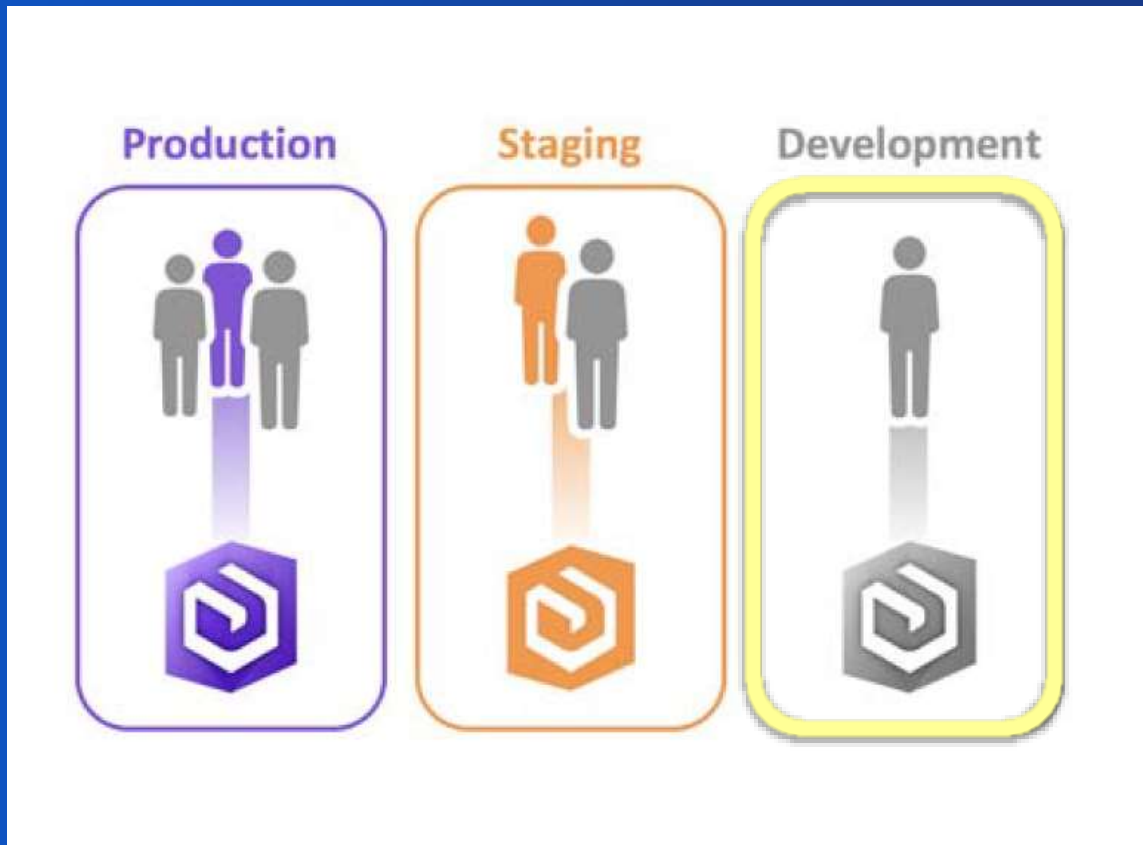
Environment Isolation



- Allow end-users (“customers”) to do their work with the least disruption
- Acceptable levels of functional and non-functional characteristics
- Operating and change control procedures

Development Environment

Learn and Develop

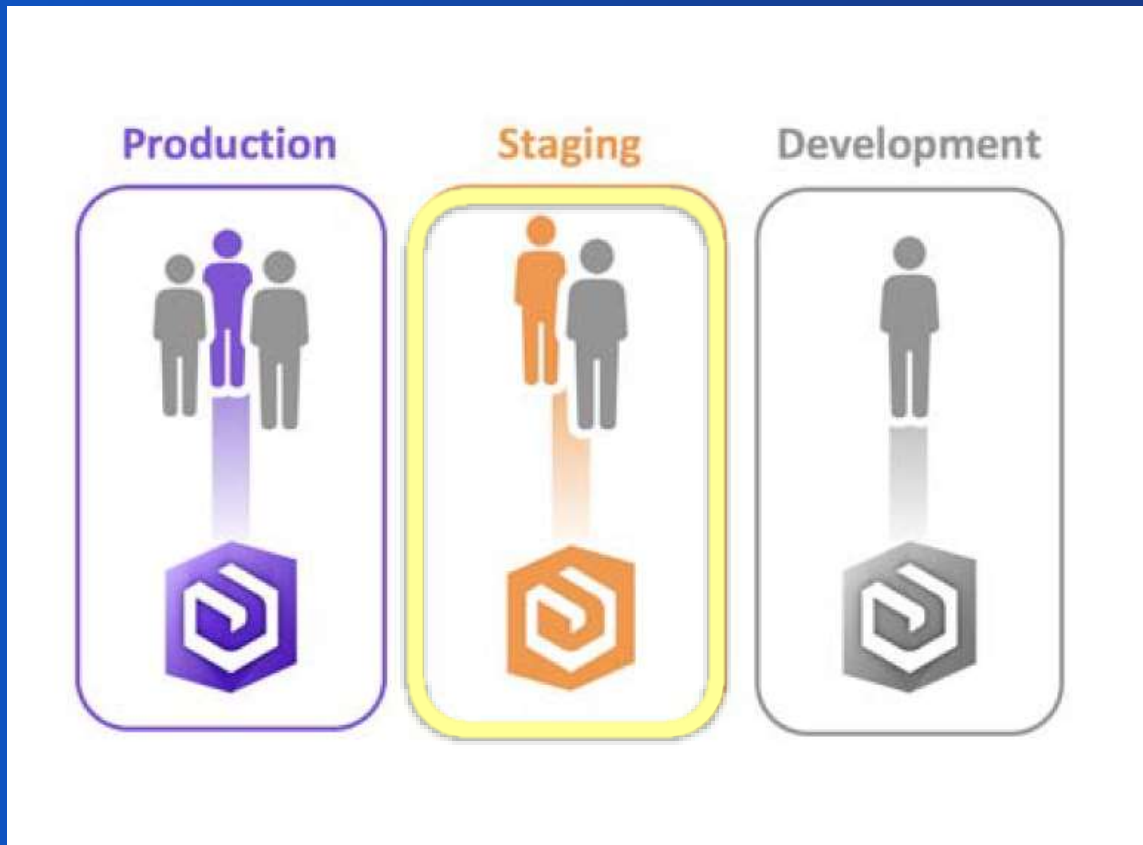


Personas:

- **Administrator**
 - Learn about software and configurations & develop maintenance scripts
- **Developer**
 - Learn & develop new apps or update existing apps
- **Stakeholder**
 - - NA -
- **Customer**
 - - NA -

Staging Environment

Practice, Test, and Accept

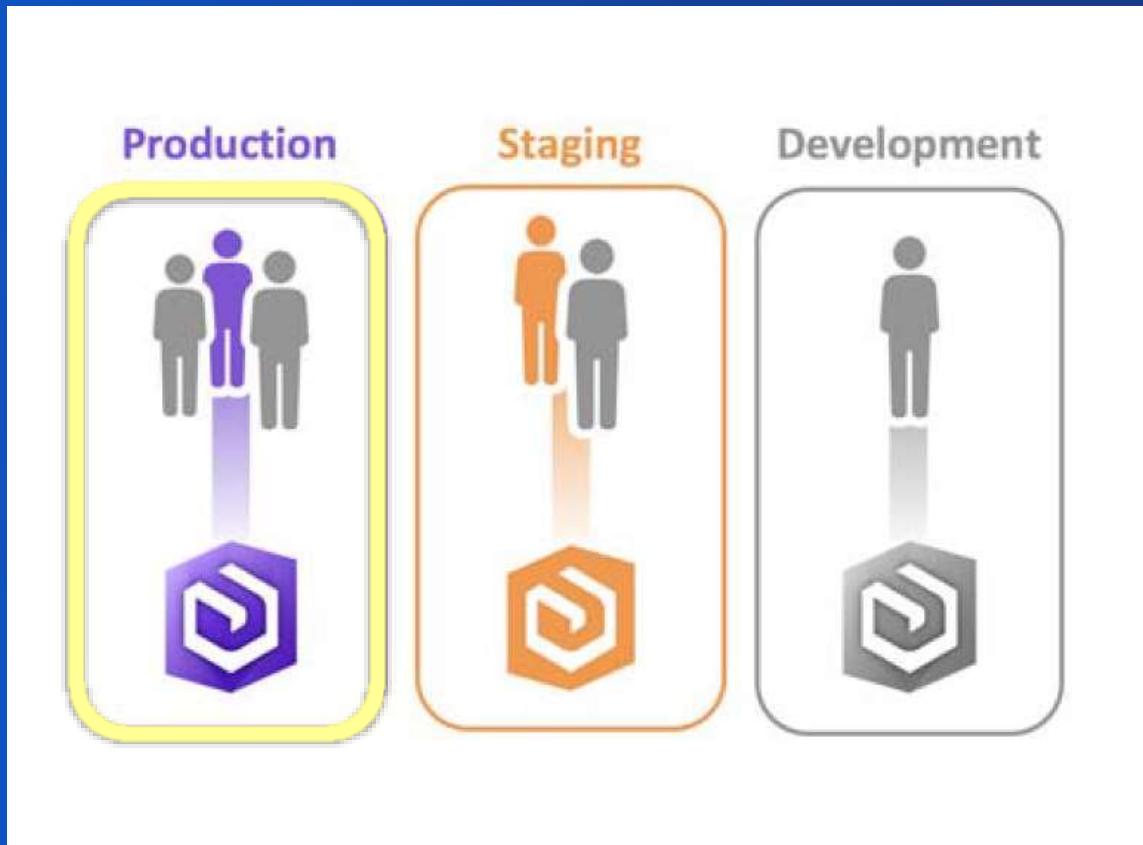


Personas:

- **Administrator**
 - Practice deployment, changes, and administration
 - Reproduce and resolve problems
- **Developer**
 - - NA-
- **Stakeholder**
 - Acceptance test
 - Reproduce and resolve problems
- **Customer**
 - - NA -

Production Environment

“The System” from the user’s perspective



Personas:

- Administrator
 - Monitor
- Developer
 - - NA -
- Stakeholder
 - - NA -
- Customer
 - Leverage enterprise GIS offerings (a.k.a “work”)

.. reflection of organization

Example: Production ArcGIS Enterprise



Load Balancing



Two-Machine,
Portal for ArcGIS Site



Hosting Site
(relational)



Three-Machine, Federated
ArcGIS Server Site



Image Server
Site



Two-Machine, RDBMS
Cluster for eGDB



File Share

In this Example

Redundant environment
for availability with a
3-Node GIS Server

Example: Stage ArcGIS Enterprise



Load Balancing



Two-Machine,
Portal for ArcGIS Site



Hosting Site
(relational)



Three-Machine, Federated
ArcGIS Server Site



Image Server
Site



Two-Machine, RDBMS
Cluster for eGDB

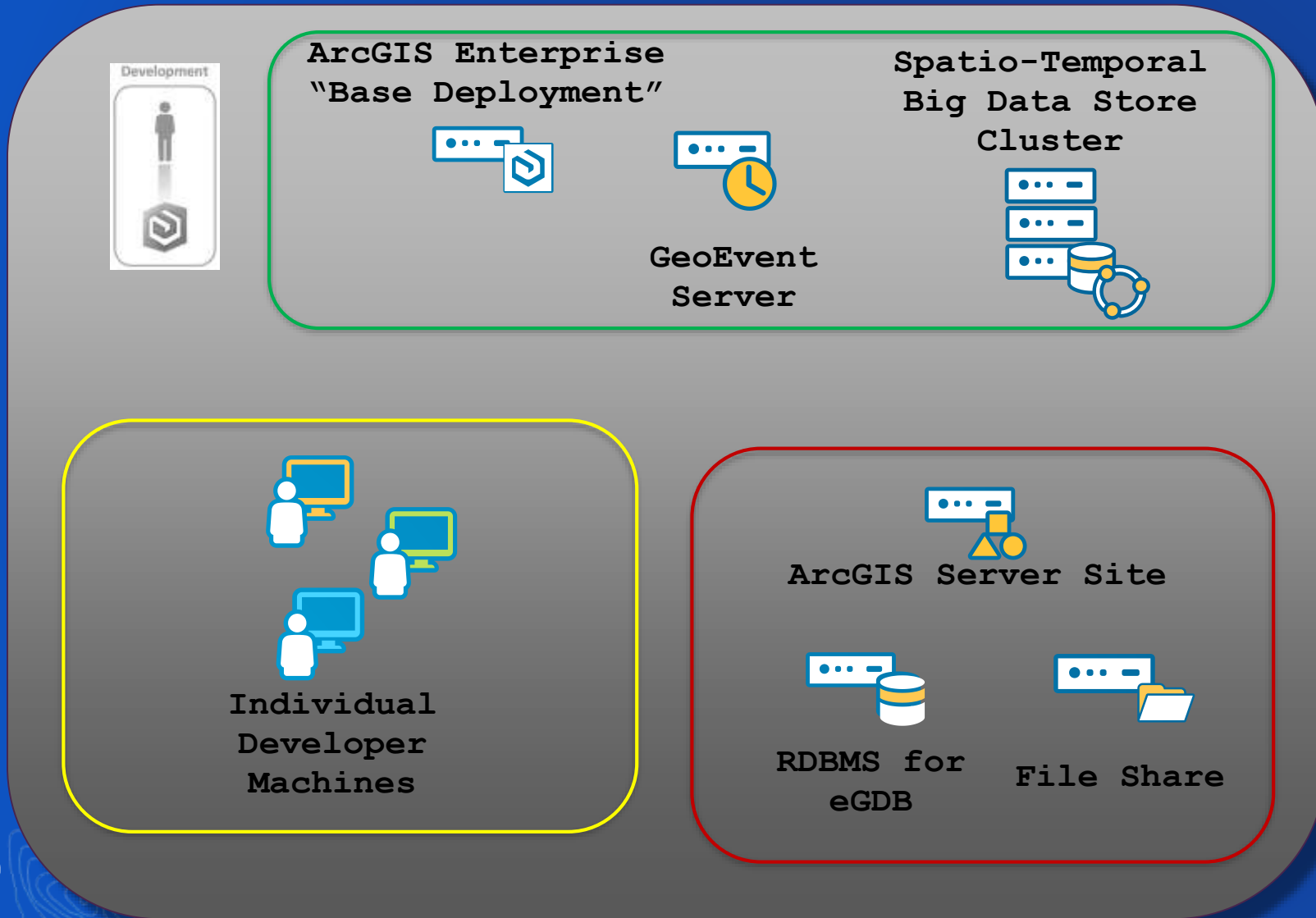


File Share

- **Keep:**

- All server roles
- Redundant machine pattern
- Machine count and resources match production

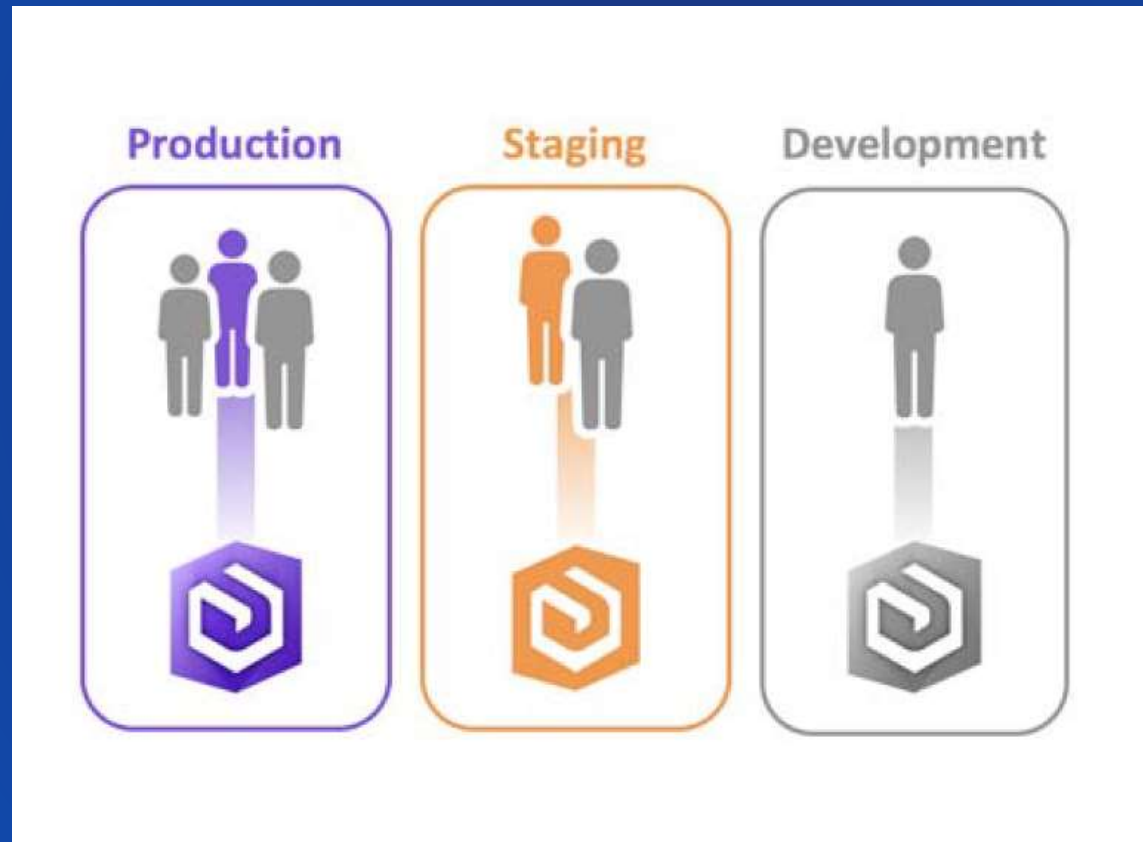
Example: Development ArcGIS Enterprise



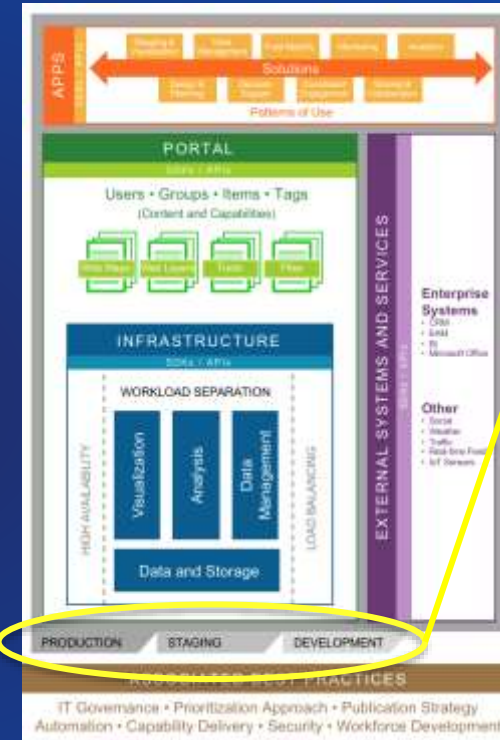
- **Does not mimic Production; machines may change over time**
- **New products** deployed for learning.
- GIS Server Site and eGDB for **creating new services and data.**
- **Custom code written and unit tested** on developers' machines.

Provide reliable and available systems for your business operations

Environment Isolation



Architecting ArcGIS: Best Practices



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Welcome to the Implementing ArcGIS Community!

Implementing ArcGIS is a public community group created by Esri for the ArcGIS community. Here, subject matter experts share tips and advice on best practices, address questions, and engage in discussion on topics challenging GIS professionals.

Gain from the experience of these teams by asking your questions, share your experience by offering advice, and follow this community to stay connected.

ASK IMPLEMENTING ARCGIS

Type your question

Ask my question

ANSWERED QUESTIONS

No questions have been answered yet.

RECENT UPDATES

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- Esri Training Consultants will help you develop and launch your Workforce Development Plan
- Training's Impact on Project Success
- ArcGIS Monitor and Operational Support

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Tap Your Badge

Receive an email within 24-48 hours

- Access to GeoNet Space
- Spotlight Talk Presentations
- Resources & Content
- Thought leaders and much more...



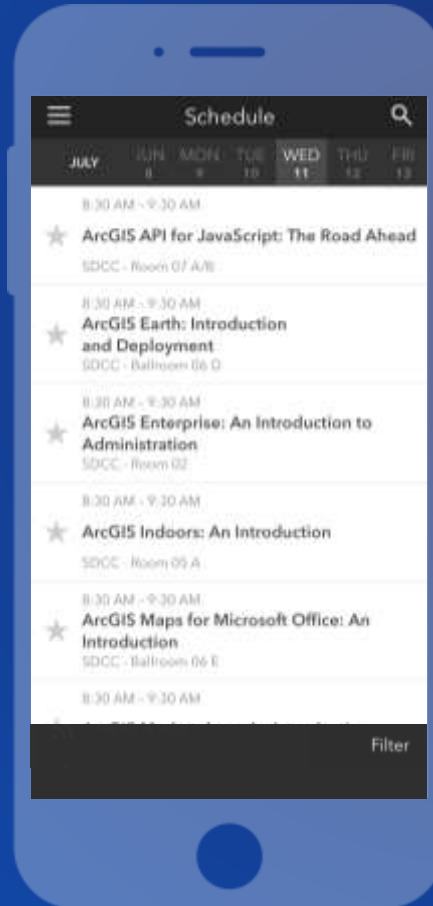
The image shows a promotional graphic for 'DISCOVER Spatial Analytics'. At the top, the word 'DISCOVER' is in large yellow letters with a stylized sunburst icon to its left, and 'Spatial Analytics' is written below it in white. In the center, the text 'TAP YOUR BADGE HERE' is displayed above a yellow double-right arrow, a white square placeholder, and a yellow double-left arrow. Below this, a list of items to be received in an email is shown, each preceded by a small circular icon. The items include: 'Understand spatial relationships and patterns with spatial analysis', 'Read three spatial analysis case studies', 'Learn more about World Geocoder for ArcGIS', 'Learn more about StreetMap Premium for ArcGIS', 'Learn more about ArcGIS Business Analyst', and three 'For test bullet point' entries. At the bottom, there is a small note: 'Have you opted out of our email? If so, please visit go.arcgis.com/123456789 to make sure that address isn't on the do-not-disturb list.'

Please Take Our Survey on the App

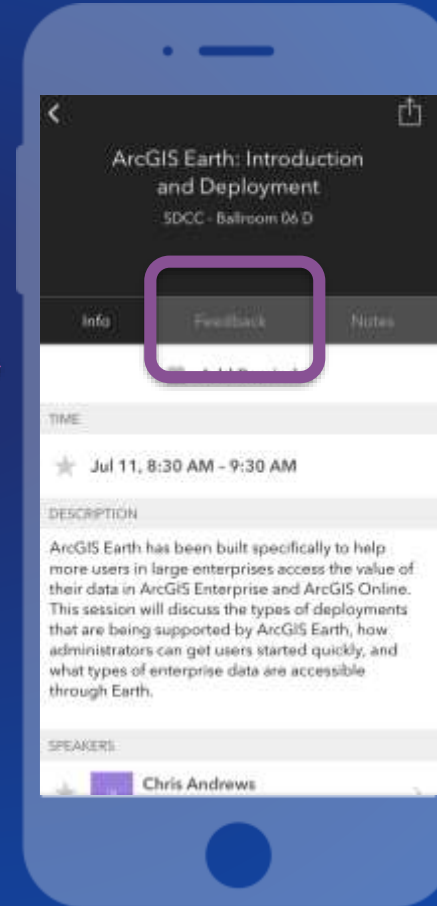
Download the Esri Events app and find your event



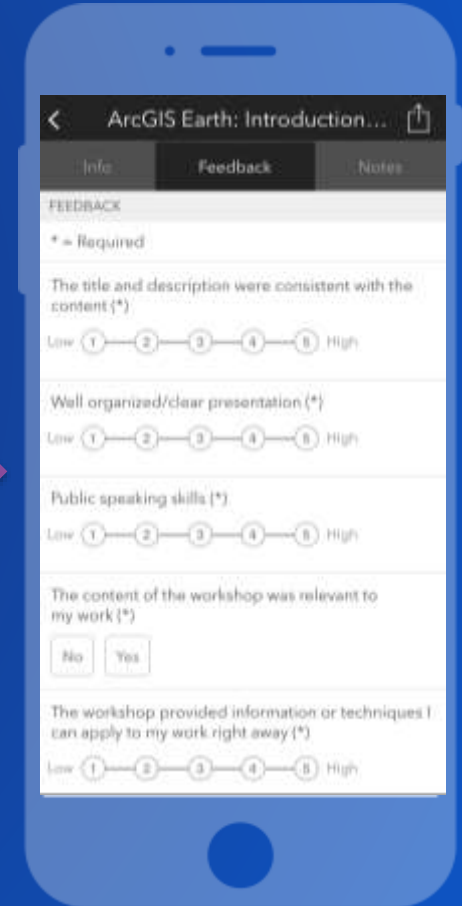
Select the session you attended



Select the Feedback tab



Complete answers and select "Submit"





esri

THE
SCIENCE
OF
WHERE

