

ArcGIS Enterprise: What's New

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2021 ESRI FEDERAL GIS CONFERENCE

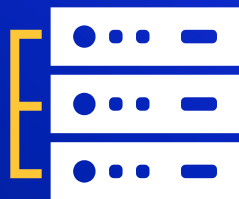
ArcGIS Enterprise

Software Components



ArcGIS Enterprise

=



ArcGIS Server

+



Portal for ArcGIS

+



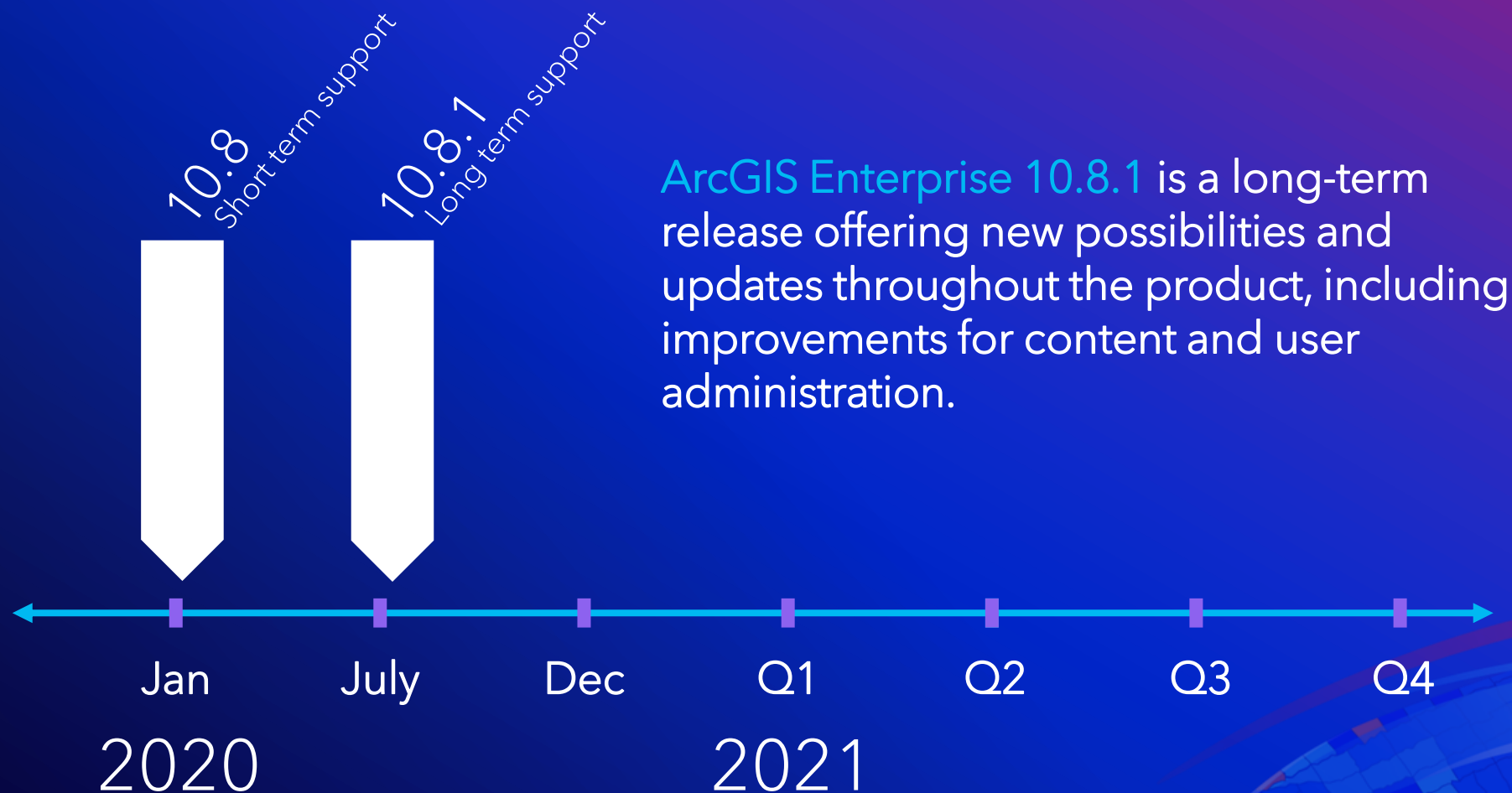
ArcGIS Data Store

+



ArcGIS Web Adaptor

ArcGIS Enterprise Releases



ArcGIS Enterprise Releases



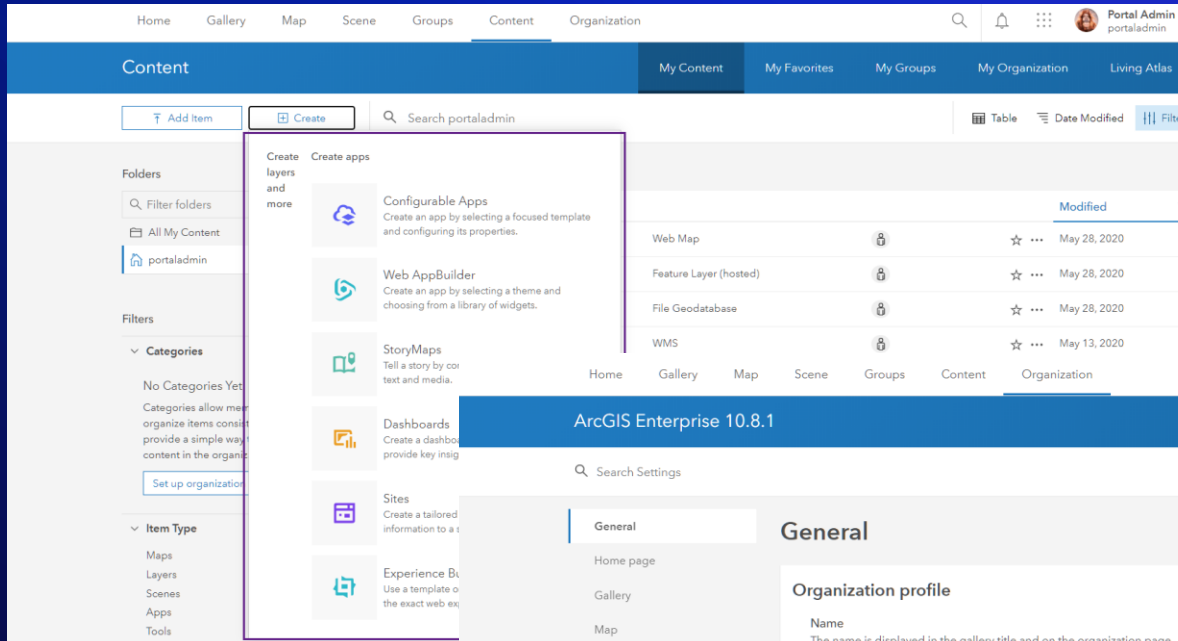
The background is a vibrant, abstract composition. It features a stylized globe in the upper right corner, rendered in shades of blue and red. Below the globe, there are swirling, wavy lines in blue and red, suggesting a dynamic, fluid environment. In the lower left corner, there is a cluster of small, colorful dots in blue, orange, and red, resembling a data visualization or a starburst. The overall color palette is dominated by deep blues, purples, and bright reds, creating a high-contrast, energetic feel.

ArcGIS Enterprise 10.8.x

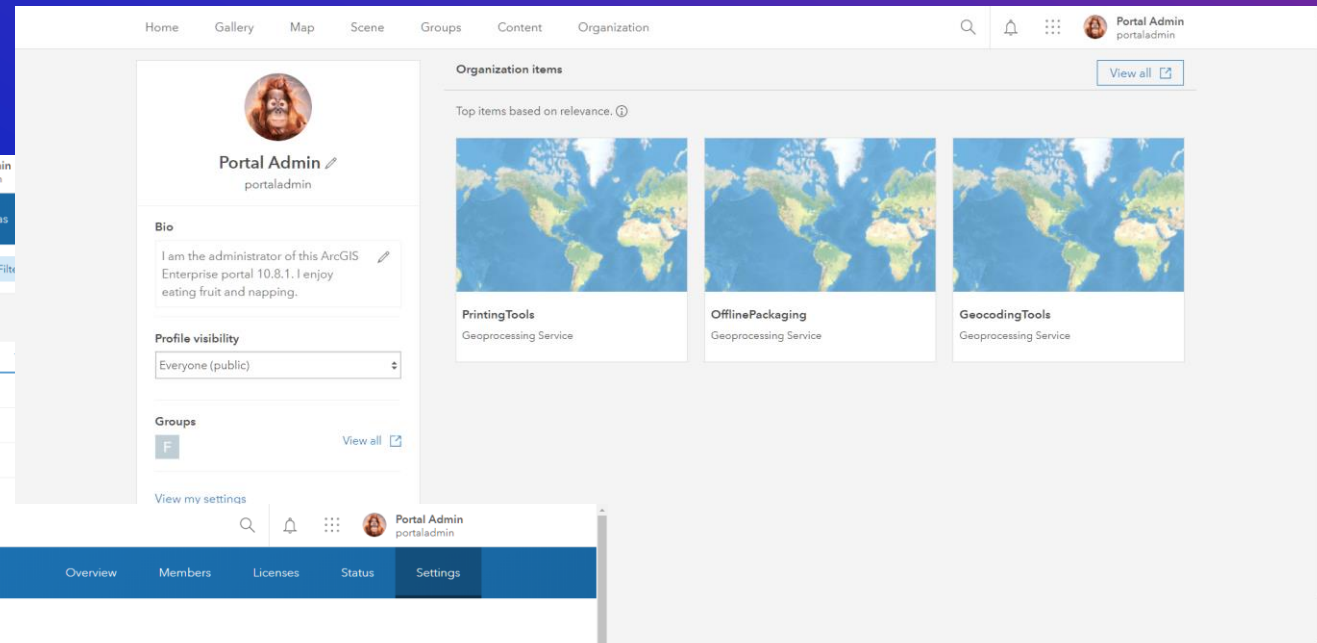
What's New...

Redesigned user experience

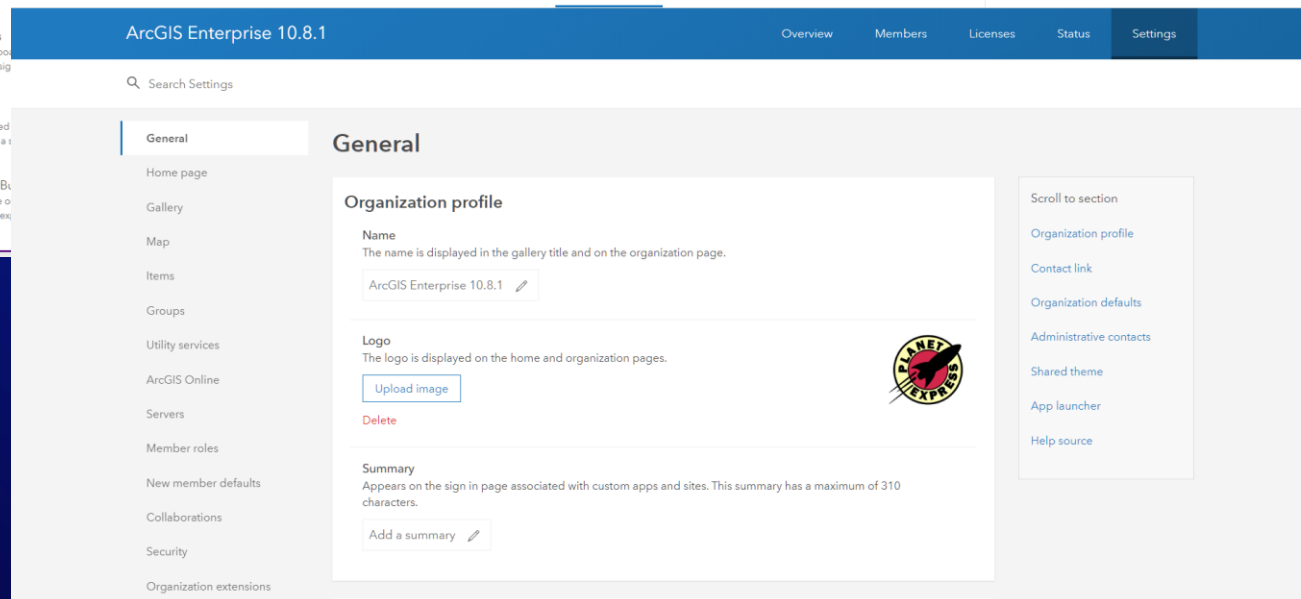
Available at 10.8.1



New experience when creating content.



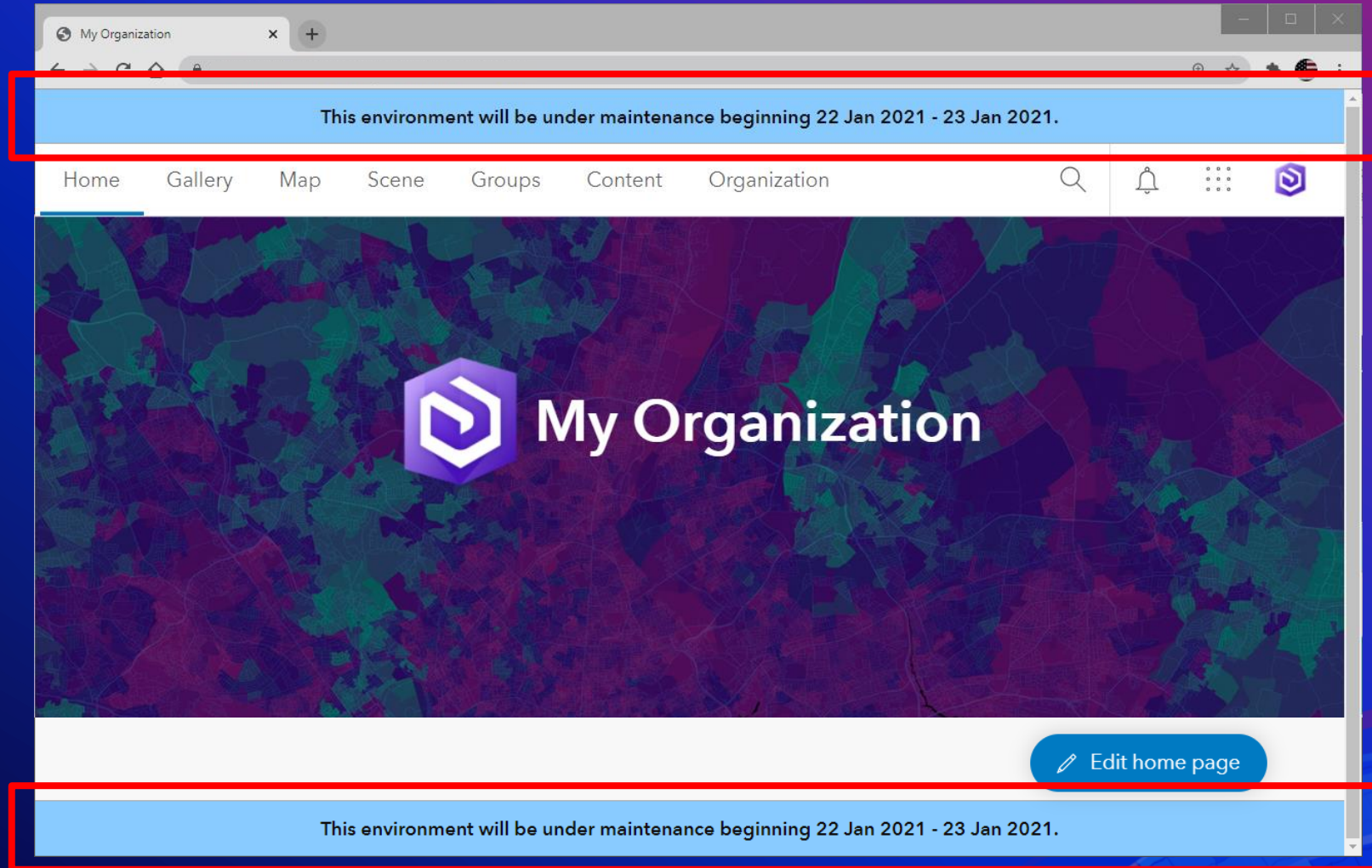
New user profile.



New organization settings.

Information Banner

Available at 10.8



Information Banner

Available at 10.8

Manage information banner

Display information banner

Preview

This environment will be under maintenance beginning 22 Jan 2021 - 23 Jan 2021.

Banner text

This environment will be under maintenance beginning 22 Jan 2021 - 23 Jan 2021.

69 characters remaining

Longer messages will be harder to read on mobile devices

Styling

Background color
#89CBFF

Font color
#000000

✓ Contrast ratio ⓘ
12.0

A contrast ratio of 4.5 is required to pass accessibility standards

Save

Cancel

Information banner

Use information banners to alert your organization's members about your site's status and content, such as maintenance schedules, classified information alerts, and read-only modes. Banners will appear at the top and bottom of your pages.

[Edit information banner](#)

- Contrast ratio indicator helps you comply with WCAG 2.x accessibility standards.

- Notify system downtime or even provide a classification level

Access Notice

Available at 10.8

- Displays at each browser session
- The Enterprise portal is inaccessible until a member selects OK or ACCEPT
- Can be used for:
 - Privacy statements
 - Terms of use
 - Disclaimers
 - General notices and updates
 - & more

Access notice

For organization members

Provide a notice of terms to be displayed to organization members after they have signed in. Members can proceed only if they accept the terms of the notice. They will not be prompted again till the next time they sign in.

[Set access notice](#)

For all users

Provide a notice of terms to be displayed to all users who access your organization. Users can proceed only if they accept the terms of the notice. They will not be prompted again for the remainder of the browser session. If you set both types of access notices, an organization member will see two notices.

[Set access notice](#)

Please accept to continue.

This organization assumes no responsibility or liability for any errors or omissions in the content of this site. The information contained in this site is provided on an "as is" basis with no guarantees of completeness, accuracy, usefulness or timeliness...

[Decline](#)

[Accept](#)

Access notice

For organization members

Provide a notice of terms to be displayed to organization members after they have signed in. Members can proceed only if they accept the terms of the notice. They will not be prompted again till the next time they sign in.

[Set access notice](#)

For all users

Provide a notice of terms that they accept the terms of use when they access the site. If you set both types of access notice, you set both types of access notice.

[Set access notice](#)

Please accept to continue.

This organization assumes no responsibility or liability for any errors or omissions in the content of this site. The information contained in this site is provided on an "as is" basis with no guarantees of completeness, accuracy, usefulness or timeliness...

[Decline](#)[Accept](#)

Demonstration

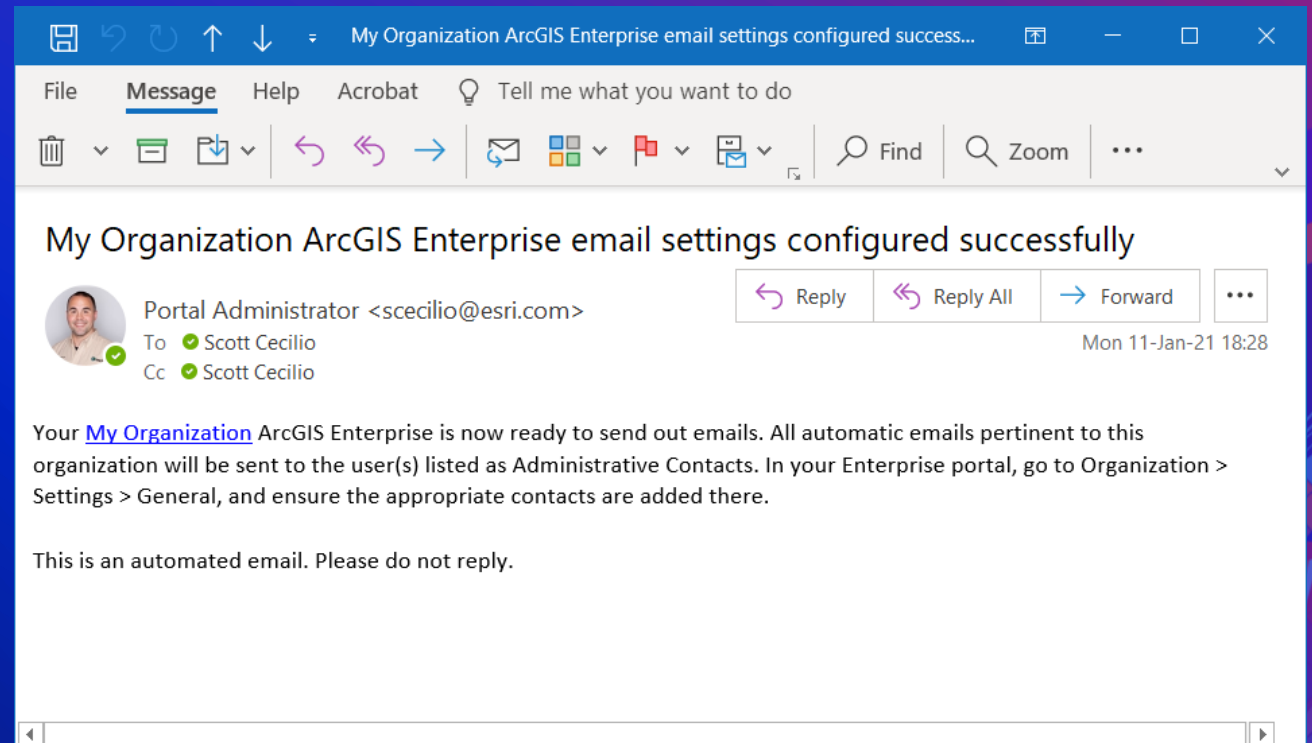
Access Notice

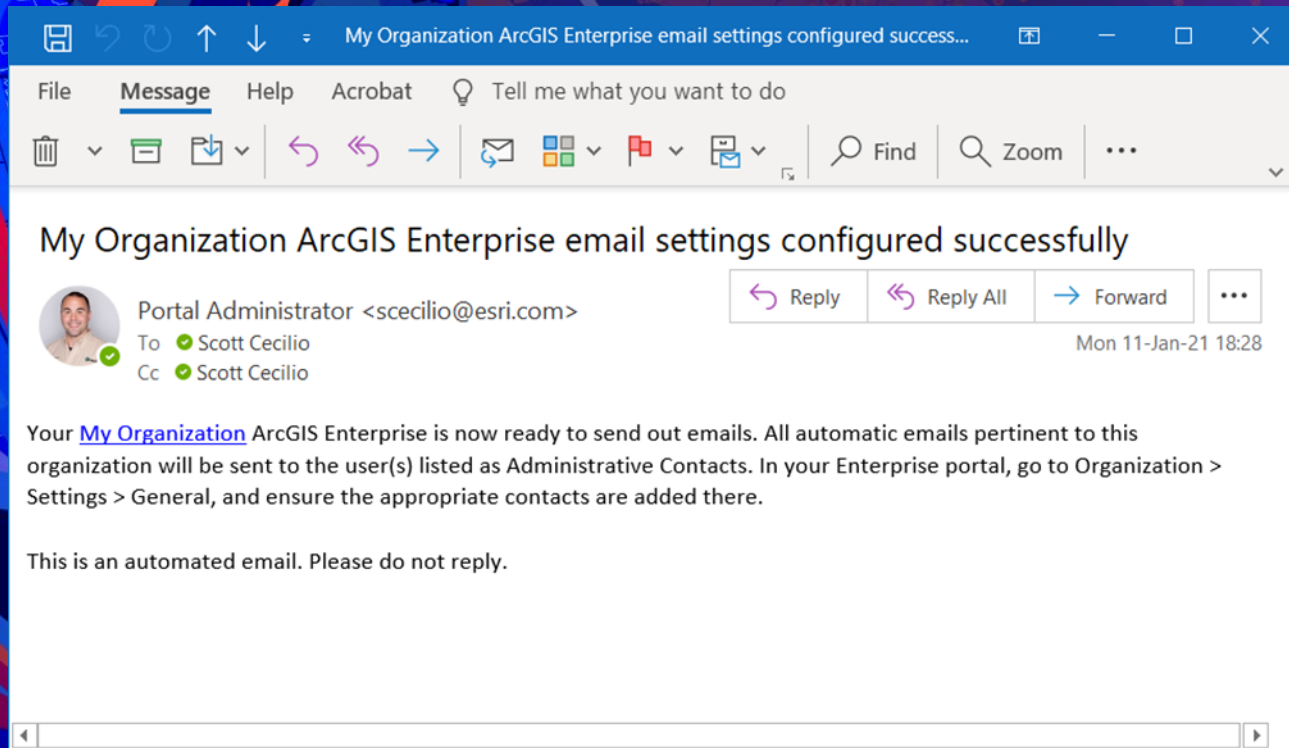
Send emails from ArcGIS Enterprise

Available at 10.8.1

Configure ArcGIS Enterprise to send out automated emails via integration with an organization's SMTP Server.

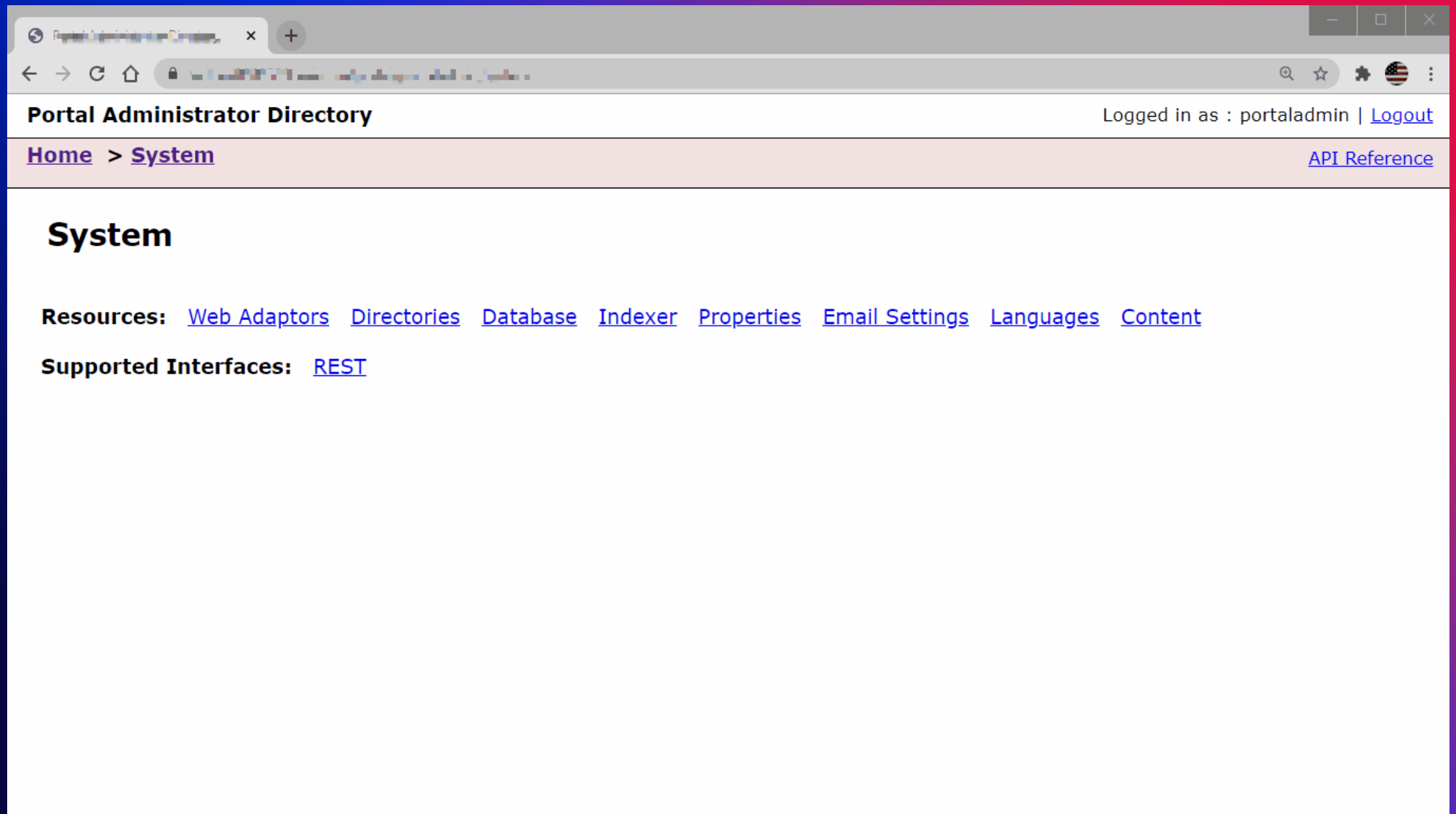
- Helpful for:
 - Users who forget their password.
 - Only for built-in accounts.
 - Upon password policy change
 - Licenses expiration date warnings.
 - Will be sent 90 days, 60 days, 30 days, 3 days, 2 days and 1 day before the expiration date.
 - Available through ArcGIS Portal Administrative API (10.8.1)
 - Available through Home App administrative component (10.9)





Demonstration

Configuring Email



My Organization

HomeGalleryMapSceneGroupsContentOrganization

Portal Administratorportaladmin

My OrganizationOverviewMembersLicensesStatusSettings

Search Settings

General

Home pageGalleryMapItemsGroupsUtility servicesArcGIS OnlineServersMember roles

General

Organization profile

Name

The name is displayed in the gallery title and on the organization page.

My Organization

Logo

The logo is displayed on the organization page.

Upload image

Delete

Scroll to section

Organization profile

Contact link

Organization defaults

Administrative contacts

Shared theme

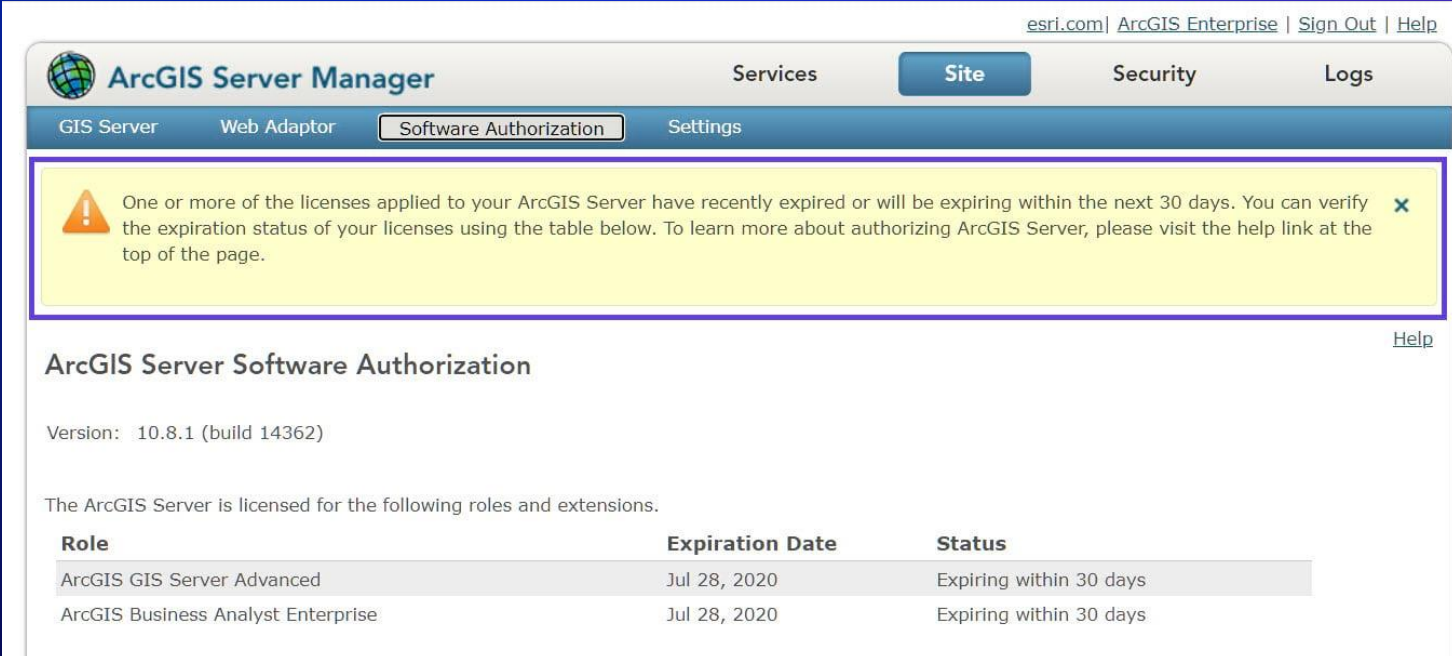
Navigation bar

Help source

License Expiration notice in ArcGIS Server

Available at 10.8.1

- Notification through ArcGIS Server Manager (server role or add-on licenses)
 - A licensed role or extension is expiring within the next 30 days.
 - A licensed role or extension is expired.
- The banner will be surfaced for 30 days after the expiration.



The screenshot shows the ArcGIS Server Manager web interface. At the top, there are links for [esri.com](#), [ArcGIS Enterprise](#), [Sign Out](#), and [Help](#). Below these are tabs for **Services**, **Site** (selected), **Security**, and **Logs**. Under the **Site** tab, there are sub-tabs for **GIS Server**, **Web Adaptor**, **Software Authorization** (selected), and **Settings**.

A yellow banner with an orange warning icon contains the following text: "One or more of the licenses applied to your ArcGIS Server have recently expired or will be expiring within the next 30 days. You can verify the expiration status of your licenses using the table below. To learn more about authorizing ArcGIS Server, please visit the help link at the top of the page." A close button (X) is in the top right of the banner.

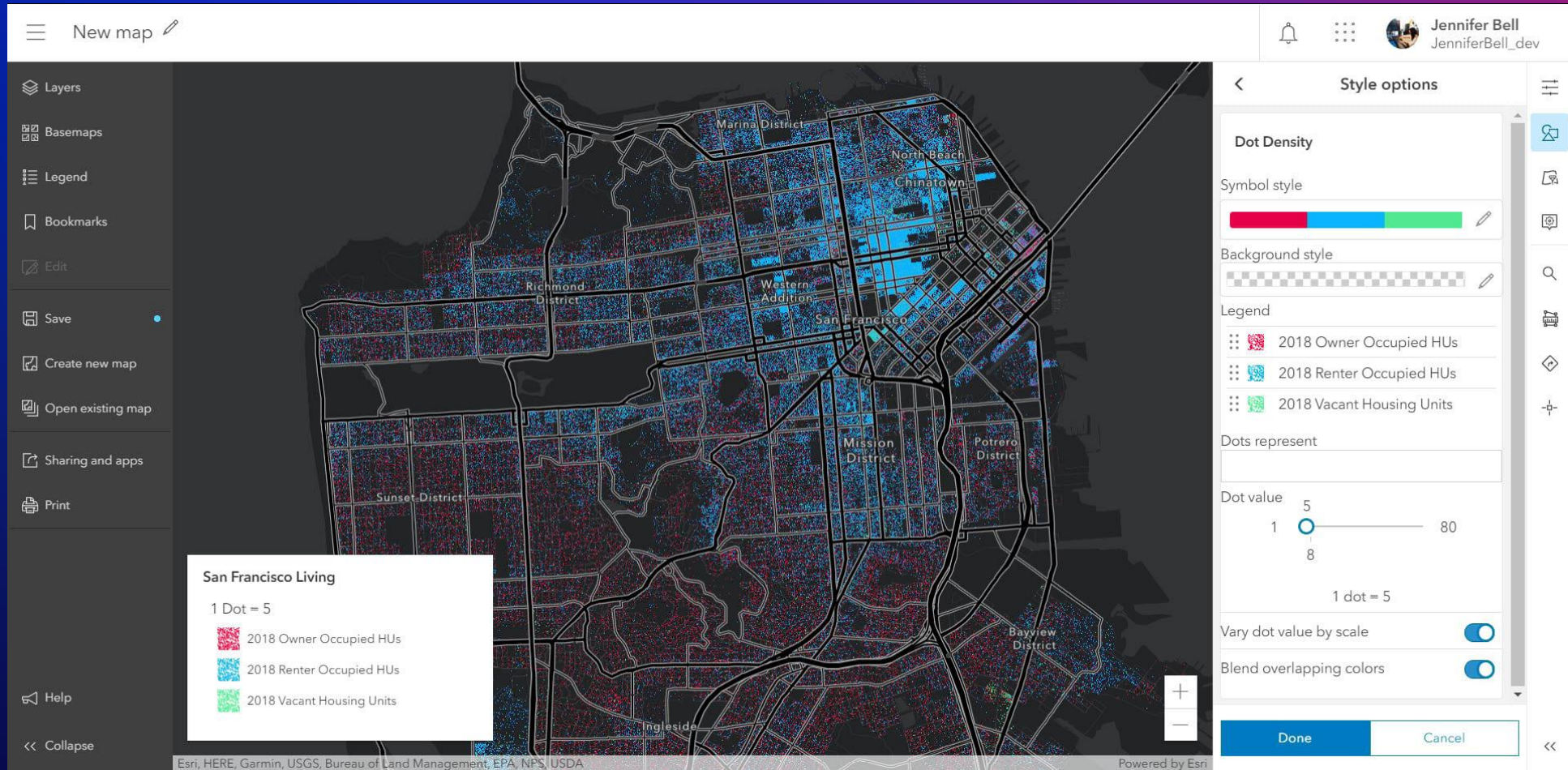
Below the banner, the section is titled "ArcGIS Server Software Authorization" with a [Help](#) link on the right. It shows the version as "10.8.1 (build 14362)".

The text states: "The ArcGIS Server is licensed for the following roles and extensions."

Role	Expiration Date	Status
ArcGIS GIS Server Advanced	Jul 28, 2020	Expiring within 30 days
ArcGIS Business Analyst Enterprise	Jul 28, 2020	Expiring within 30 days

Map Viewer Beta

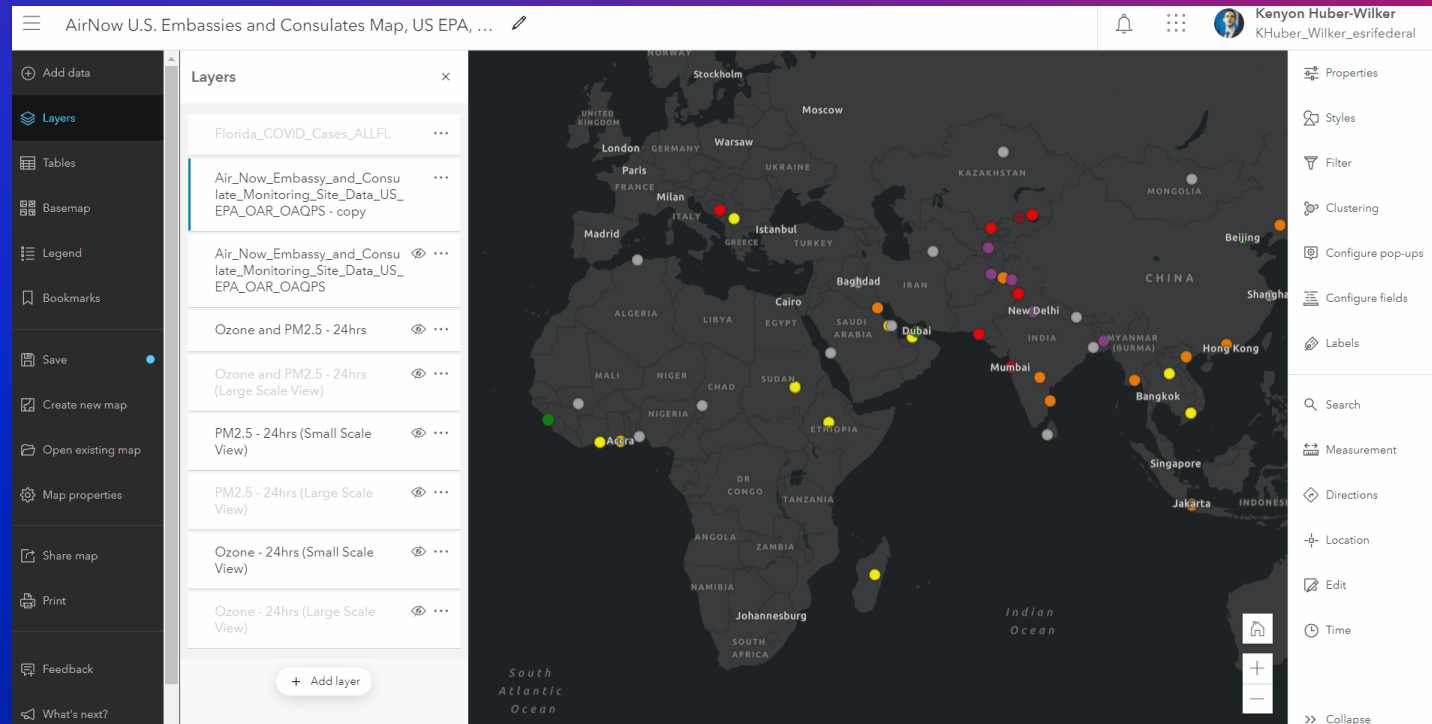
Available at 10.8.1



Map Viewer Beta

Available at 10.8.1

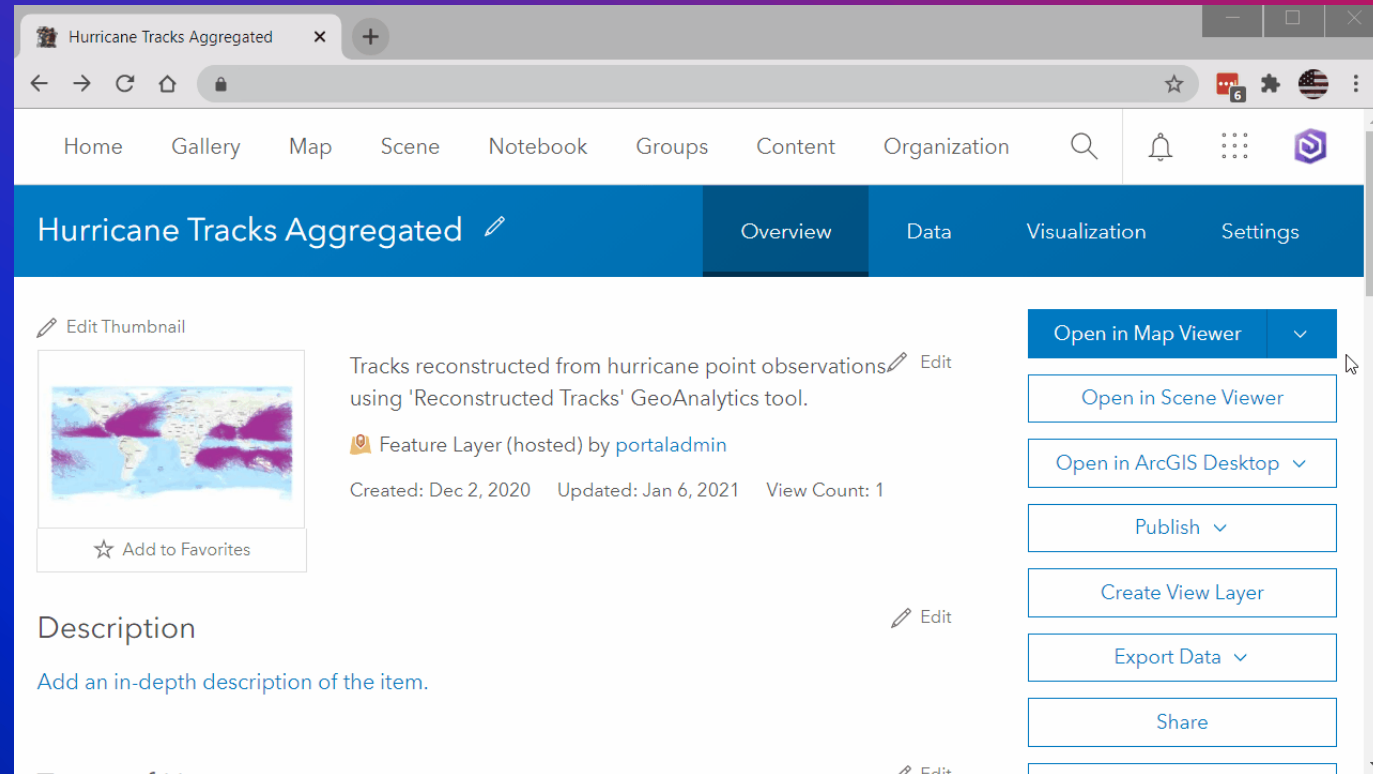
- Next generation Map Viewer.
- Built on the ArcGIS API for JavaScript 4.x.
- Fast, flexible and immediate symbology and filter changes.
- Compelling popups.
- New tools with smart mapping.
- Logical flow from left to right when authoring a map.
- Separate (and optional) installer.



Map Viewer Beta

Available at 10.8.1

- Choose between the Map Viewer and Map Viewer Beta *(when installed)*.
- Launch Map Viewer Beta from app launcher and content and item pages for web maps and feature layers.



Content Migration via Groups

Available at 10.8.1

ArcGIS Enterprise A



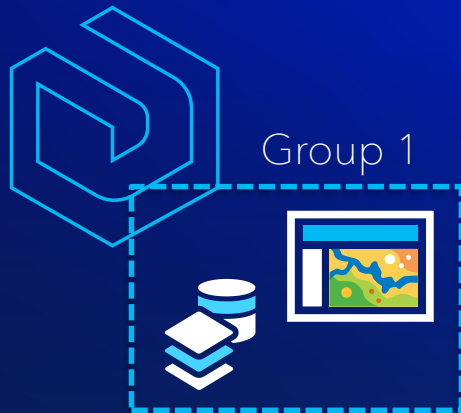
ArcGIS Enterprise B



Content Migration via Groups

Available at 10.8.1

ArcGIS Enterprise A



Export package
from Group 1



Import package into
ArcGIS Enterprise B,
Group 2

ArcGIS Enterprise B



New content will be
created in Group 2

ArcGIS Enterprise A



Export package
from Group 1



Import package into
ArcGIS Enterprise B,
Group 2



New content will be
created in Group 2

- Takes place through the ArcGIS Enterprise portal sharing API.
- Included in the Python API to aid automation.
- Maintains item ID and item dependencies.
- Option to overwrite when imported items already exist.



Demonstration

Content Migration

New apps and products

Available at 10.8.1



New apps and products

Available at 10.8.1

ArcGIS
StoryMaps



ArcGIS
Experience Builder



ArcGIS
Workflow Manager Server



New apps and products

Available at 10.8.1

ArcGIS
StoryMaps



Story authoring
application where you
can share your maps in
the context of narrative
text and other
multimedia content.

ArcGIS
Experience Builder



New apps and products

Available at 10.8.1

ArcGIS
StoryMaps



ArcGIS
Experience Builder



Create apps that
combine tools, text,
media, and 2D and 3D
data that your audience
can access on any
device.

New apps and products

Available at 10.8.1

ArcGIS
StoryMaps



ArcGIS
Experience Builder



ArcGIS
Workflow Manager Server



Next generation of
ArcGIS Workflow
Manager, which is a
scalable enterprise
workflow management
system.

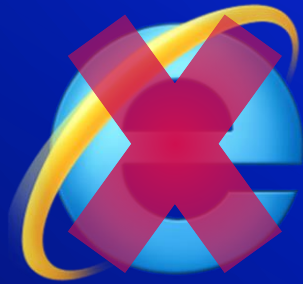
Important Updates

A few announcements while we have your attention

Support for IE 11

Reminder!

- Esri will no longer support Internet Explorer or Edge Legacy beginning with 10.9



Support for IE 11

Why...



Support for IE 11

Why...





Removal of ArcMap-based runtime from ArcGIS Enterprise support

It's not goodbye, but thank you...

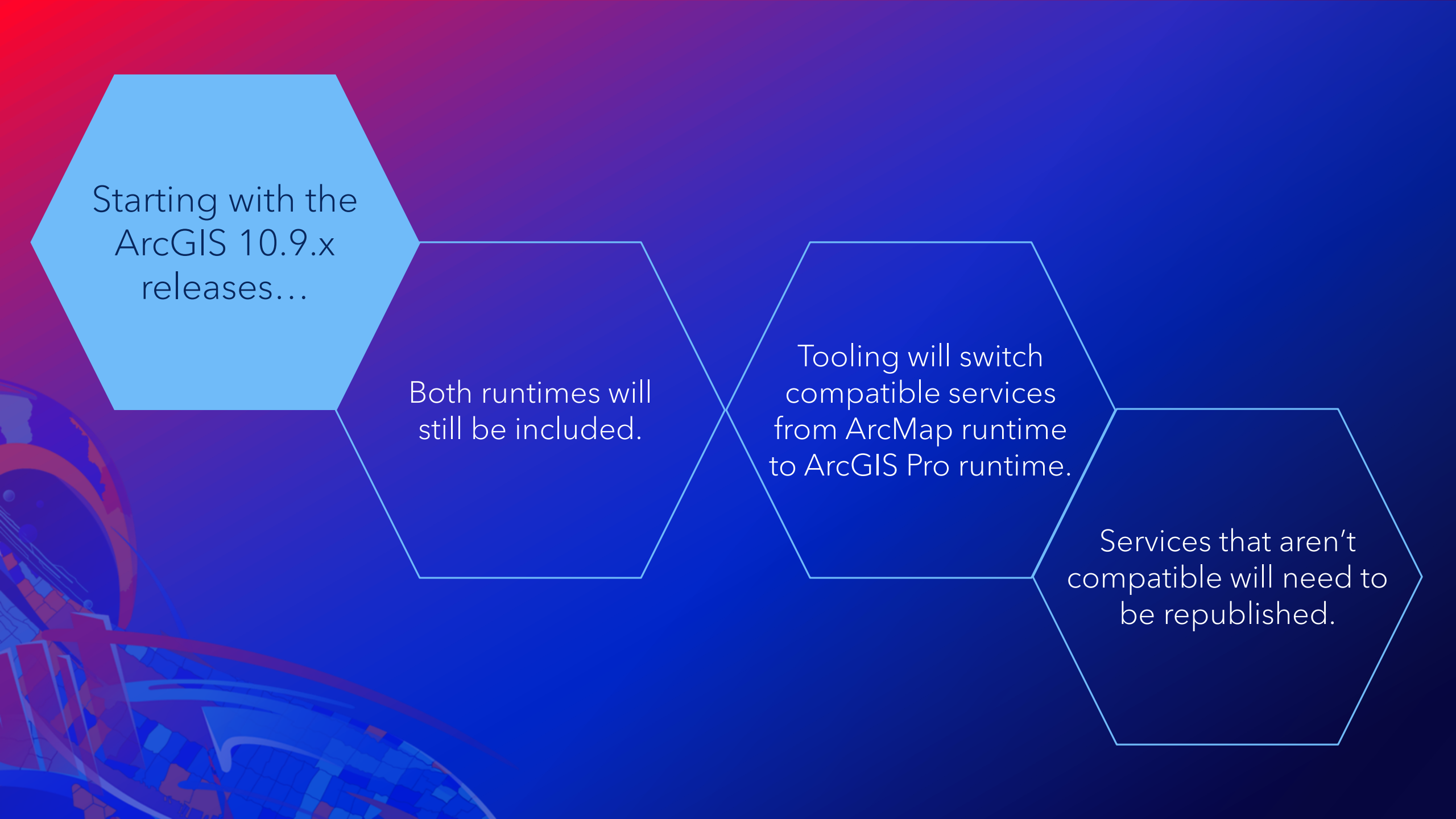
ArcGIS
Enterprise
contains
two internal
runtimes.

The diagram features a central light blue circle on the left containing the text 'ArcGIS Enterprise contains two internal runtimes.' Three white lines radiate from the right side of this circle to the top-left corners of three stacked rectangular boxes on the right. The top box contains text about ArcMap, the middle box about ArcGIS Pro, and the bottom box states 'This means twice the work!'. The background is a dark blue gradient with abstract, colorful geometric shapes in the bottom-left corner.

One runtime for services
to be published **from ArcMap**.

One runtime for services
to be published **from ArcGIS Pro**.

This means twice the work!




Starting with the
ArcGIS 10.9.x
releases...

Both runtimes will
still be included.

Tooling will switch
compatible services
from ArcMap runtime
to ArcGIS Pro runtime.

Services that aren't
compatible will need to
be republished.



Starting with the
ArcGIS 2022
releases...

Only the
ArcGIS Pro runtime
will be included.

It will no longer
be possible
to publish or run
services from ArcMap.

Some ArcMap-based
services will no longer
run.

Esri recommends that customers consider republishing existing services using ArcGIS Pro at their earliest convenience.

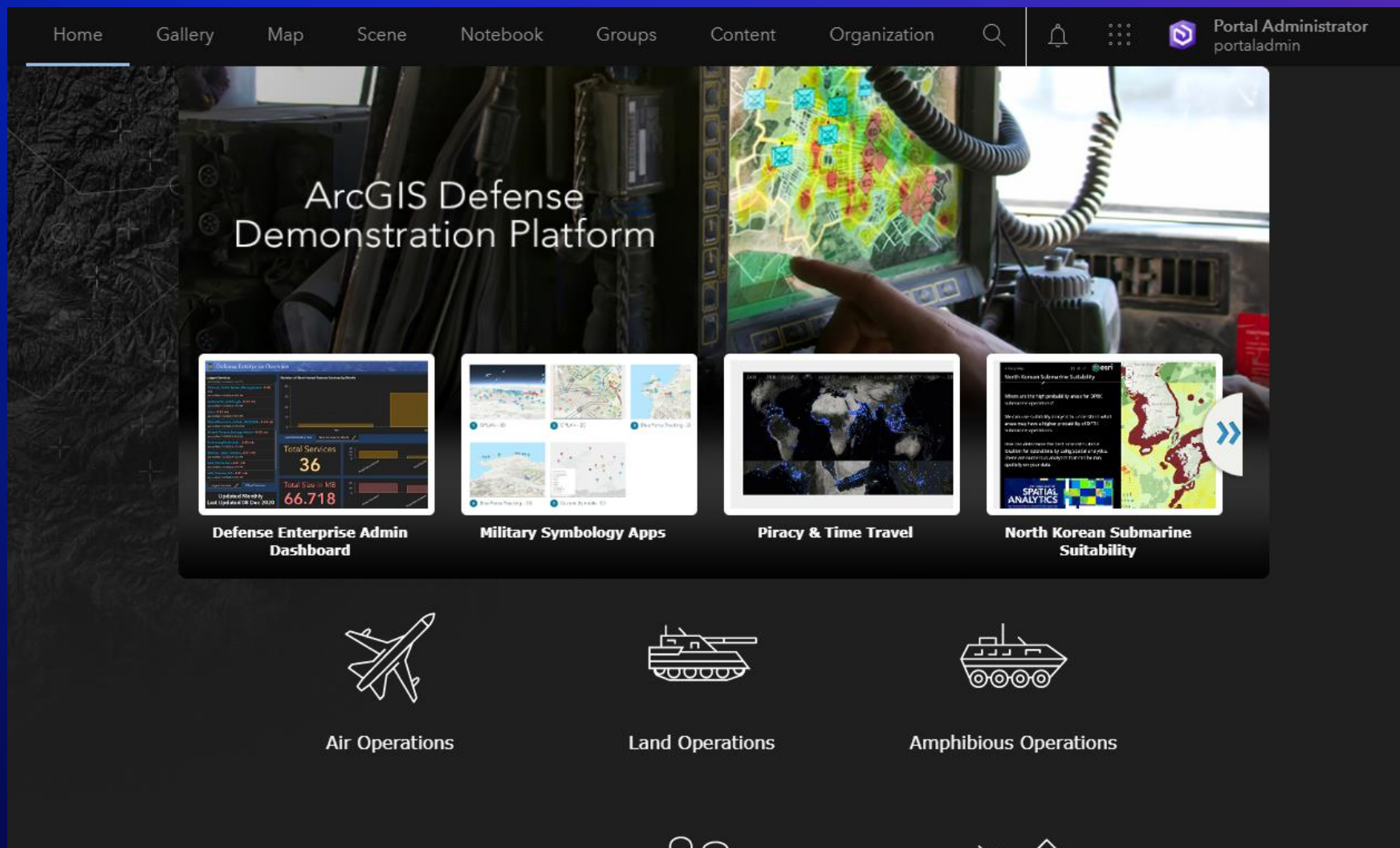


ArcGIS Enterprise 10.9

Sneak peek at what's coming...



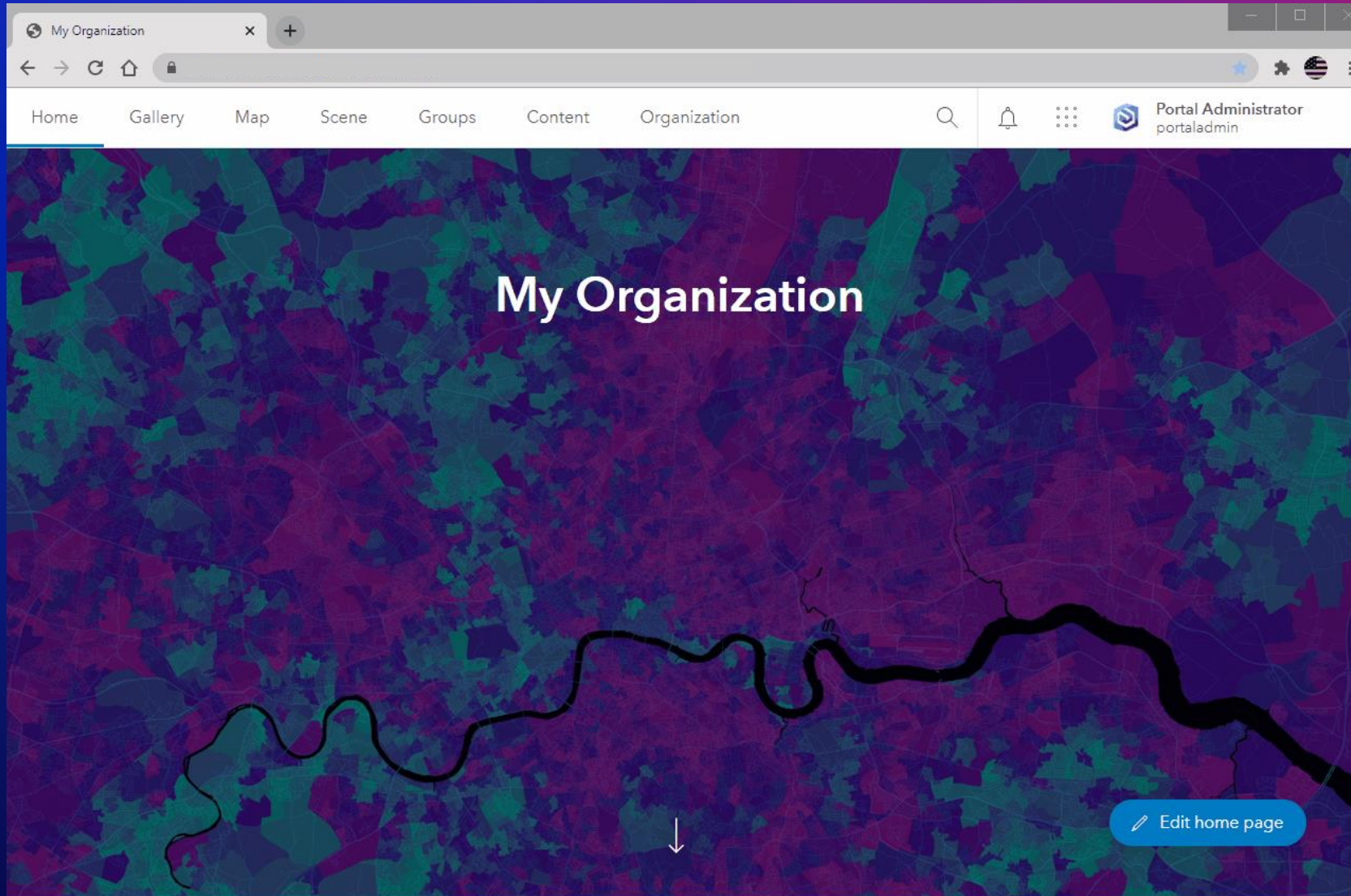
Your Home page



Home page Editor



Home page Editor



Enterprise Sites



Enterprise Sites

Row Visibility

- Enable Sites to be dynamic to your users.
- Couples with menu bar, search, & gallery features well
- Limit visibility to only member of a particular group(s)
- Single Enterprise Site can serve many audiences
- Further unleashes the Portal's sharing model

Select Groups

Production

Filters

Within

☒ All

☐ Site Content

☐ Core Teams

☐ Other

☐ Group

Production Group

☐ Group

Production Team Content

Sites

Enterprise Story

Layout

Row

Appearance

Visibility

☐ Match Site Sharing

Anyone who can see the published site will be able to see this row.

☒ Limit to Group

Only those groups you select, organization administrators, and the site owner will be able to see this row on the published site.

Select Groups

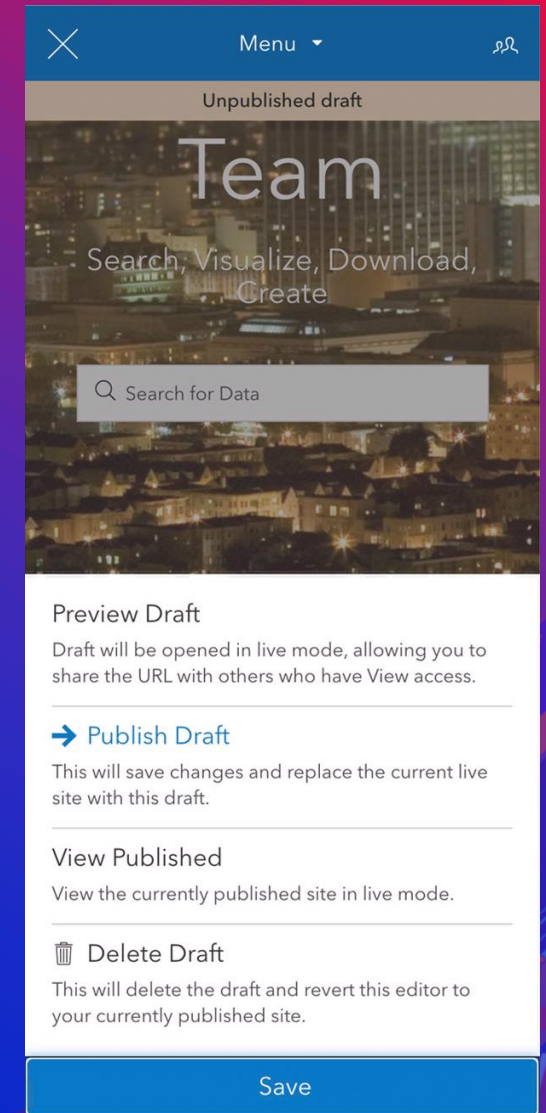
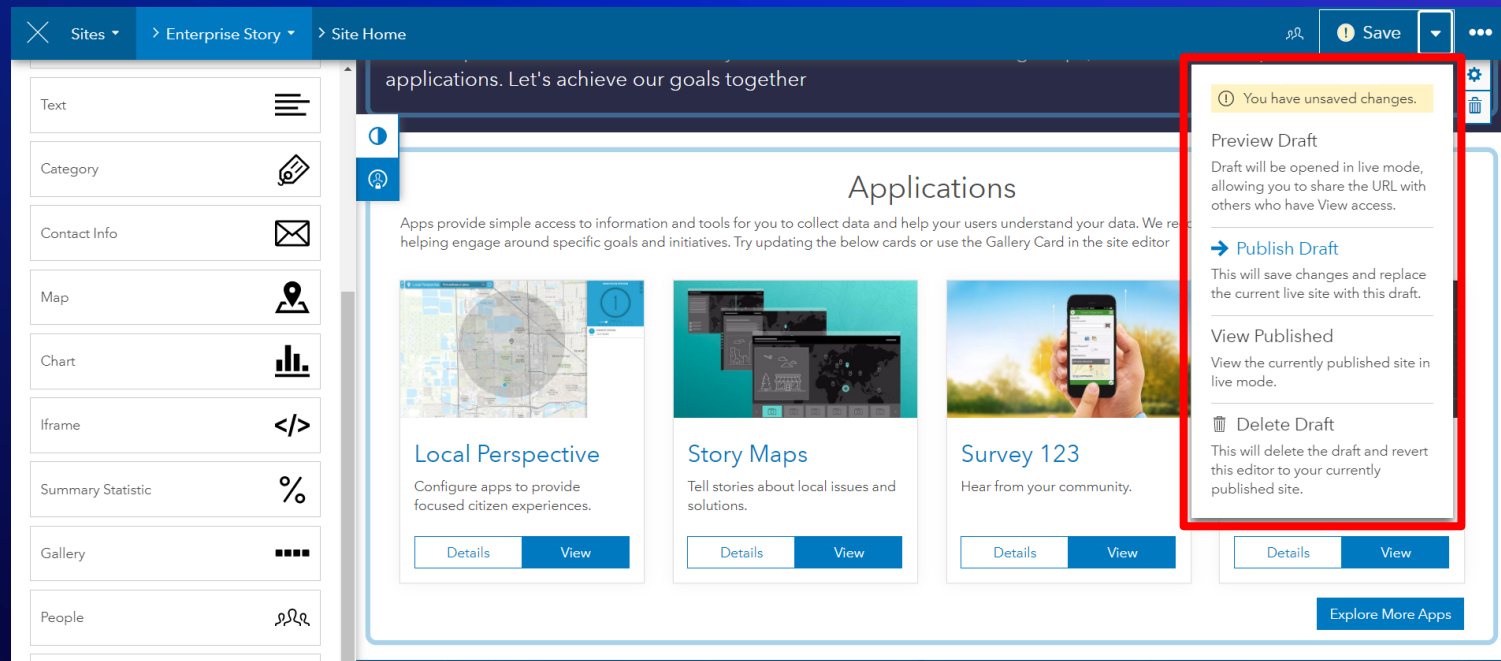
Caution: Limited visibility rows can restrict who may see this content, but any text or image content that you've set will still exist within the site item in the ArcGIS Enterprise database and may be available by API call.

Learn how sharing works

Enterprise Sites

Publish Draft

- Save creates a Draft
- Drafts are collaborative for members of your core team
- Owners and core team members can Publish a draft
 - ...or choose to Delete the draft reverting to the live published site
- Accessible via mobile devices



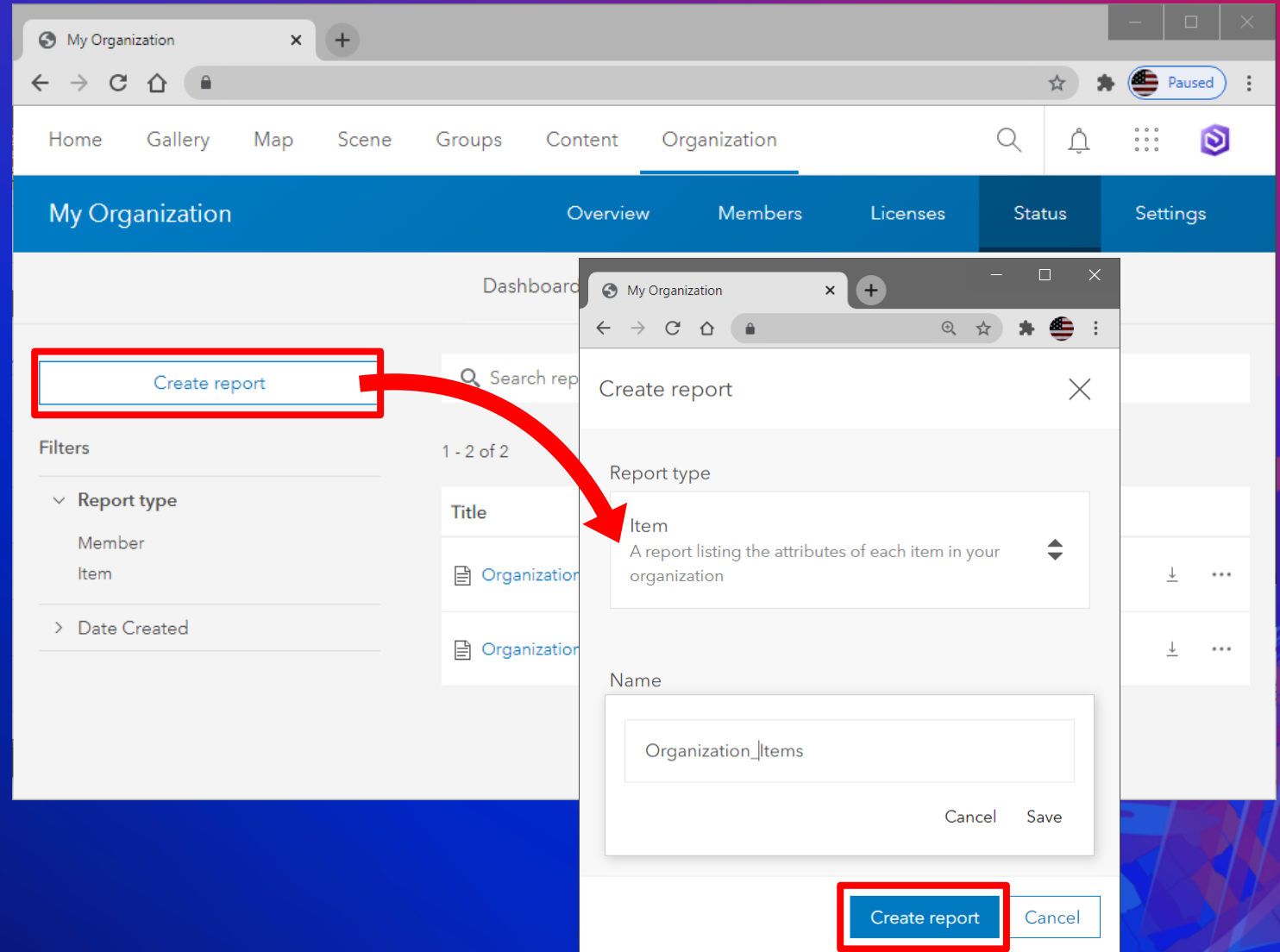
Creating reports



Creating reports

Coming at 10.9

- Reports can be
 - Exported as CSV files
 - Saved as items in your organization
- Generate asynchronous reports
 - Member reports
 - Items



Creating reports

Item Report

OrganizationItems_2021-01-11.csv - Excel									
File Home Insert Page Layout Formulas Data Review View Help Acrobat Search									
K944									
	A	B	C	D	E	F	G	H	I
1	Title	Item ID	Item Type	Date Created	View Counts	Owner	File Storage Size	Feature Storage Size	Share Level
919	Dark Gray Canvas Reference (WGS	4f1ce6f46e3b404bb2134be3f12cc7b5	Vector Tile Service	Mon Oct 19 01:46:07 PDT 2020	0	esri_livingatlas	1179521	0	account
920	DC Crime Data	4f2e99ba65e34bb8af49733d9778fb8e	Feature Service	Tue Jan 05 11:18:39 PST 2021	21	khuberwilker	0	1108525	private
921	DC Map	4f43b3bb1e274795b14e5da42dea95d	Web Map	Wed Jan 06 06:50:25 PST 2021	6	khuberwilker	18475	0	private
922	DC_Crime_by_Neighborhood	4f4874cccb8b4a1c9a845297265f140c	Feature Service	Wed Jan 06 08:04:41 PST 2021	3	khuberwilker	0	0	private
923	DCCrime_New2_gdb	4f5d72da6f2a4cb3ae983690dff3cbc0	File Geodatabase	Tue Jan 05 11:18:38 PST 2021	1	khuberwilker	1108525	0	private
924	DCNeighborhoods_gdb	4f657e6edda44ae59be2f31819d6743	File Geodatabase	Wed Jan 06 06:42:52 PST 2021	1	khuberwilker	583051	0	private
925	DCNeighborhoods_gdb	4ff4e18d87f2437aa8918810aa2e7dce	Feature Service	Wed Jan 06 06:42:53 PST 2021	6	khuberwilker	0	583051	private
926	Delaware	4fff553d31304fd38e287c09e6963ec2	Mobile Map Package	Tue Oct 06 09:14:28 PDT 2015	0	esri_nav	176767276	0	public
927	DeLorme World Basemap	50024784f5ca4416b103aa48d7bf087	Web Map	Mon Oct 19 01:42:41 PDT 2020	0	esri_livingatlas	585	0	account
928	DeLorme World Basemap	501094142d1b42229d3dee29e3f5490	Map Service	Mon Oct 19 01:42:40 PDT 2020	0	esri_livingatlas	94	0	account
929	Denmark	5017342c3f0a4ee2b0918d1b935a62f	Mobile Map Package	Tue Oct 06 09:14:28 PDT 2015	0	esri_nav	940634779	0	public
930	Drought Tracker	503faeb237f84e4f910f315afa0b62b8	Web Mapping Applic	Tue Dec 01 17:00:00 PST 2015	0	esri_apps	19	0	public
931	Earth Water States (2014-15)	5086cf65daea404a852a17982a3193b	Web Map	Mon Oct 19 01:33:18 PDT 2020	0	esri_livingatlas	2616	0	account
932	Elevation Coverage Map	50a5f00bcc574358b15eab0e2bdadf39	Map Service	Mon Oct 19 01:33:20 PDT 2020	0	esri_livingatlas	85	0	account
933	Enterprise Story	50b595fba1ee4180aa83f22c2202d09c	Site Application	Sun Jan 10 18:42:08 PST 2021	5	portaladmin	21334	0	shared
934	Feeding the World	50c9c7c43c0044d59cde89958b6a05e	Web Mapping Applic	Mon Oct 19 01:32:52 PDT 2020	0	esri_livingatlas	0	0	account

OpenID Connect support



OpenID Connect support

Coming at 10.9

- Authenticate users managed in the organization's identity provider.
- Members do not need to have built in accounts
- Integrates with:
 - Okta
 - Google
 - OpenID Connect

Edit OpenID Connect login

Establish a connection between ArcGIS and your organization's OpenID Connect service provider. Requirements for each option are specified by the provider. [Learn more](#)

Login button label
OpenID Connect

Let new members join

Automatically

Upon invitation from an Admin

Registered client ID
8...C...F...D...E...F...G...H...I...J...K...L...M...N...O...P...Q...R...S...T...U...V...W...X...Y...Z...a...b...c...d...e...f...g...h...i...j...k...l...m...n...o...p...q...r...s...t...u...v...w...x...y...z...0...1...2...3...4...5...6...7...8...9...+...=...

Registered client secret

[Show client secret](#)

Provider scopes/permissions
openid email profile

Provider issuer ID
https://accounts.google.com

OAuth 2.0 authorization endpoint URL

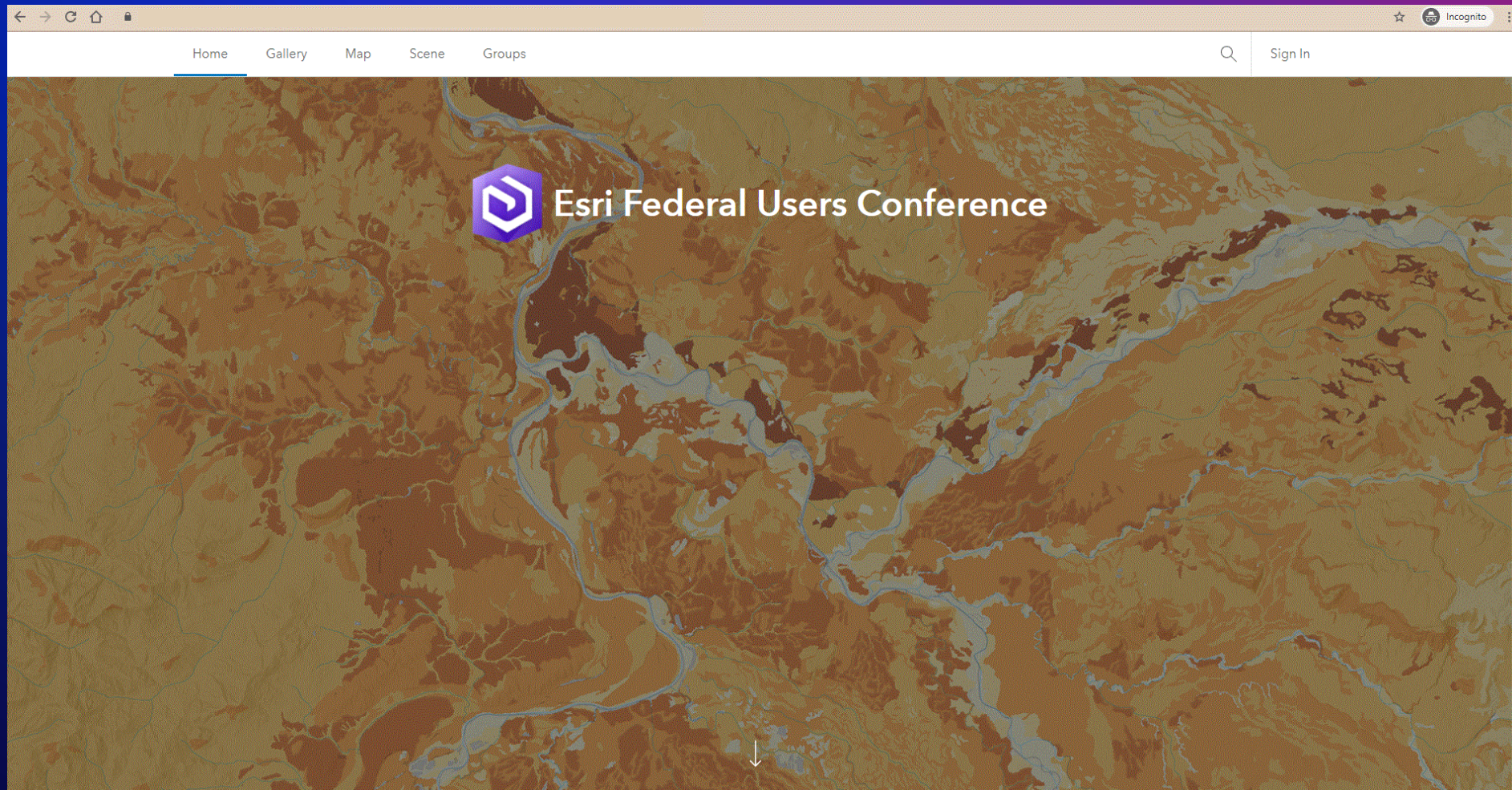
Delete login

Save

Cancel

OpenID Connect support

Coming at 10.9



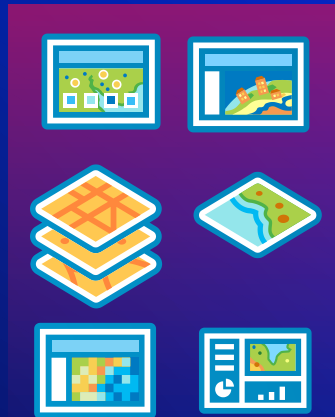
Bulk Item Transfer



Bulk Item Transfer

Coming at 10.9

User A



User B



Bulk Item Transfer

Coming at 10.9

wdcso10000599.esri.com/portal/home/organization.html?view=table&sortOrder=desc&sortField=lastlogin#members

Home Gallery Map Scene Groups Content **Organization**

Kenyon Huber-Wilker khuberwilker





My Organization Overview **Members** Licenses Status Settings

Add Members Search members Table Last login Filter

Filters

- ▼ User type
 - Creator
 - Editor
 - Field Worker
 - GIS Professional Advanced
 - GIS Professional Basic
 - GIS Professional Standard
 - Insights Analyst
 - Storyteller
- ▼ Role
 - Administrator
 - Data Editor
 - Publisher
 - User
 - Viewer
- > Last login
- > App
- > Organization's groups

1 - 4 of 4

<input type="checkbox"/>	Member	Last login	User type	Role
<input type="checkbox"/>	 Kenyon Wilker kenyon96	Today	Creator	Publisher ▼ ...
<input type="checkbox"/>	 Portal Administrator portaladmin	Today	Creator	Administrator ▼ ...
<input type="checkbox"/>	 Kenyon Huber-Wilker khuberwilker	Yesterday	Creator	Administrator ▼ ...
<input type="checkbox"/>	 Scott Cecilio scecilio	Jan 6, 2021	Creator	Administrator ▼ ...

Bulk Item Transfer

Coming at 10.9

wdcsl0000599.esri.com/portal/home/organization.html?view=table&sortOrder=desc&sortField=lastlogin#members

Home Gallery Map Scene Groups Content Organization





My Organization Overview Members Licenses Status Settings

Add Members Search members Table Last login Filter

Filters

- User type
 - Creator
 - Editor
 - Field Worker
 - GIS Professional Advanced
 - GIS Professional Basic
 - GIS Professional Standard
 - Insights Analyst
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- Organization's groups

1 - 4 of 4

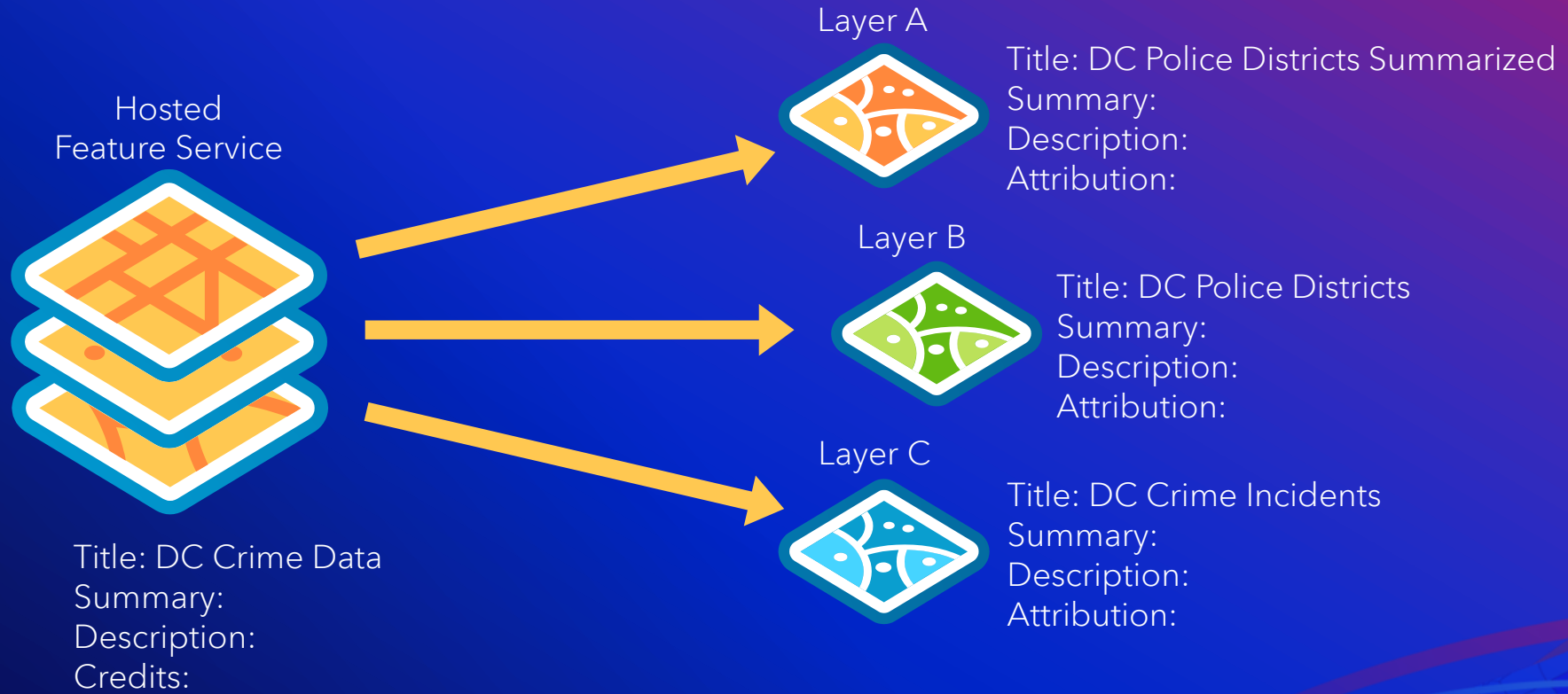
<input type="checkbox"/>	Member	Last login	User type	Role
<input type="checkbox"/>	 Kenyon Wilker kenyon96	Today	Creator	Publisher
<input type="checkbox"/>	 Portal Administrator portaladmin	Today	Creator	Administrator
<input type="checkbox"/>	 Kenyon Huber-Wilker khuberwilker	Yesterday	Creator	Administrator
<input type="checkbox"/>	 Scott Cecilio scecilio	Jan 6, 2021	Creator	Administrator

Item Details Multi-Layer Support



Item Details Multi-Layer Support

Coming at 10.9



ArcGIS Enterprise on Kubernetes

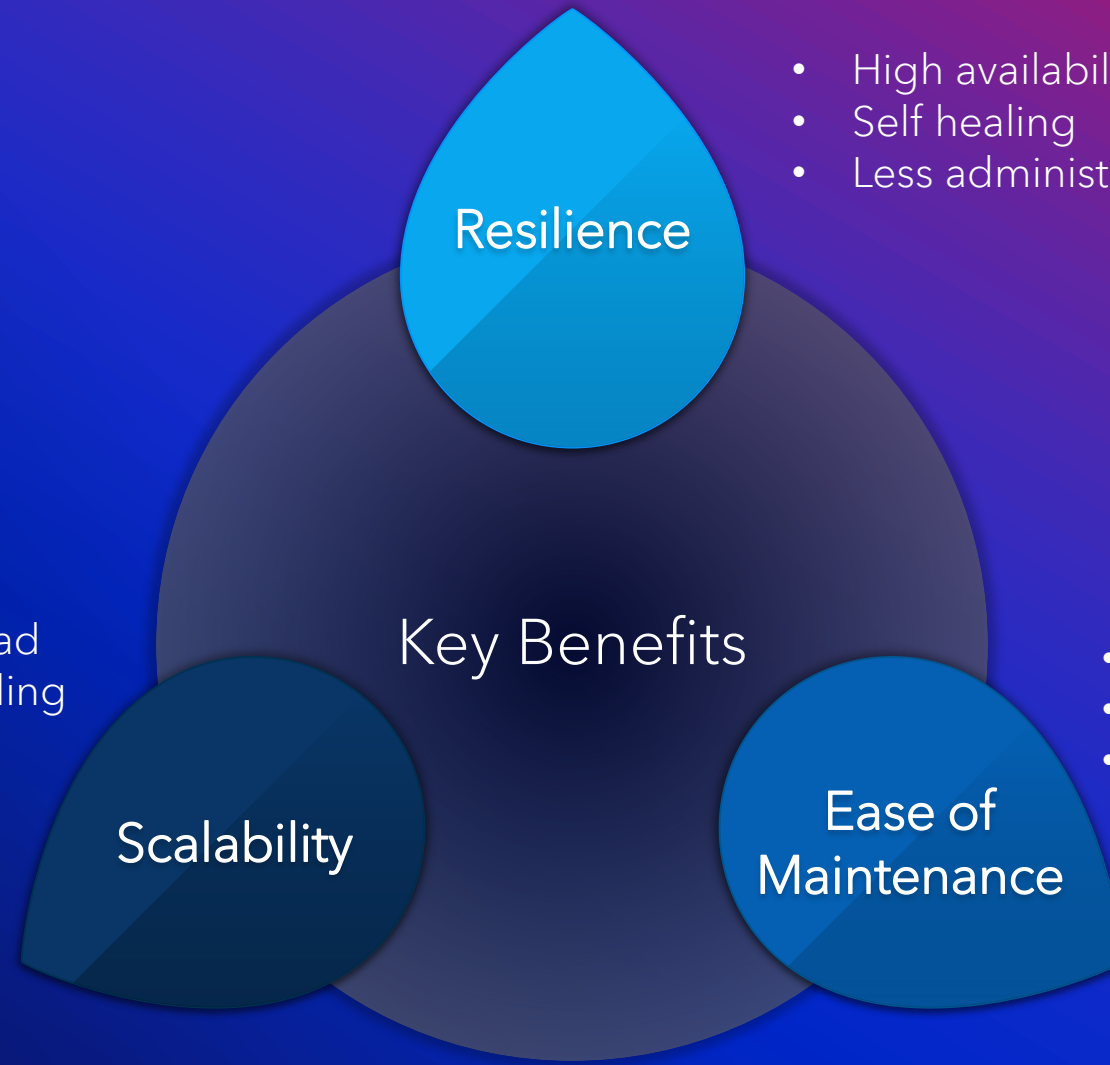
A new cloud native option for deploying
ArcGIS Enterprise



A modern cloud native architecture
to deliver ArcGIS Enterprise with a
new, more **resilient**, **maintainable**,
and **scalable** deployment.



- Respond to changes in load
- No inherent bound to scaling
- Optimize capacity



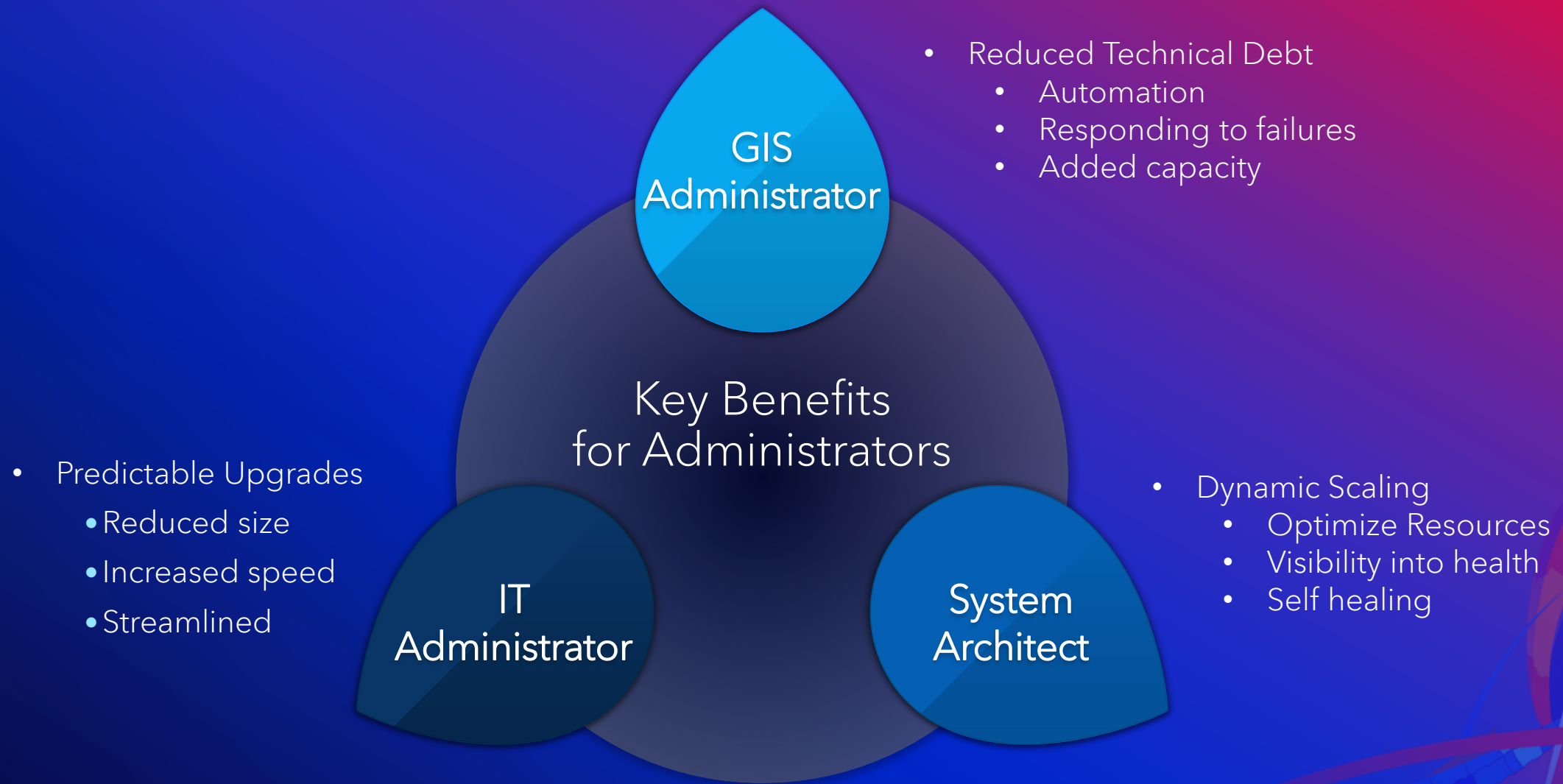
Resilience

- High availability
- Self healing
- Less administrative overhead

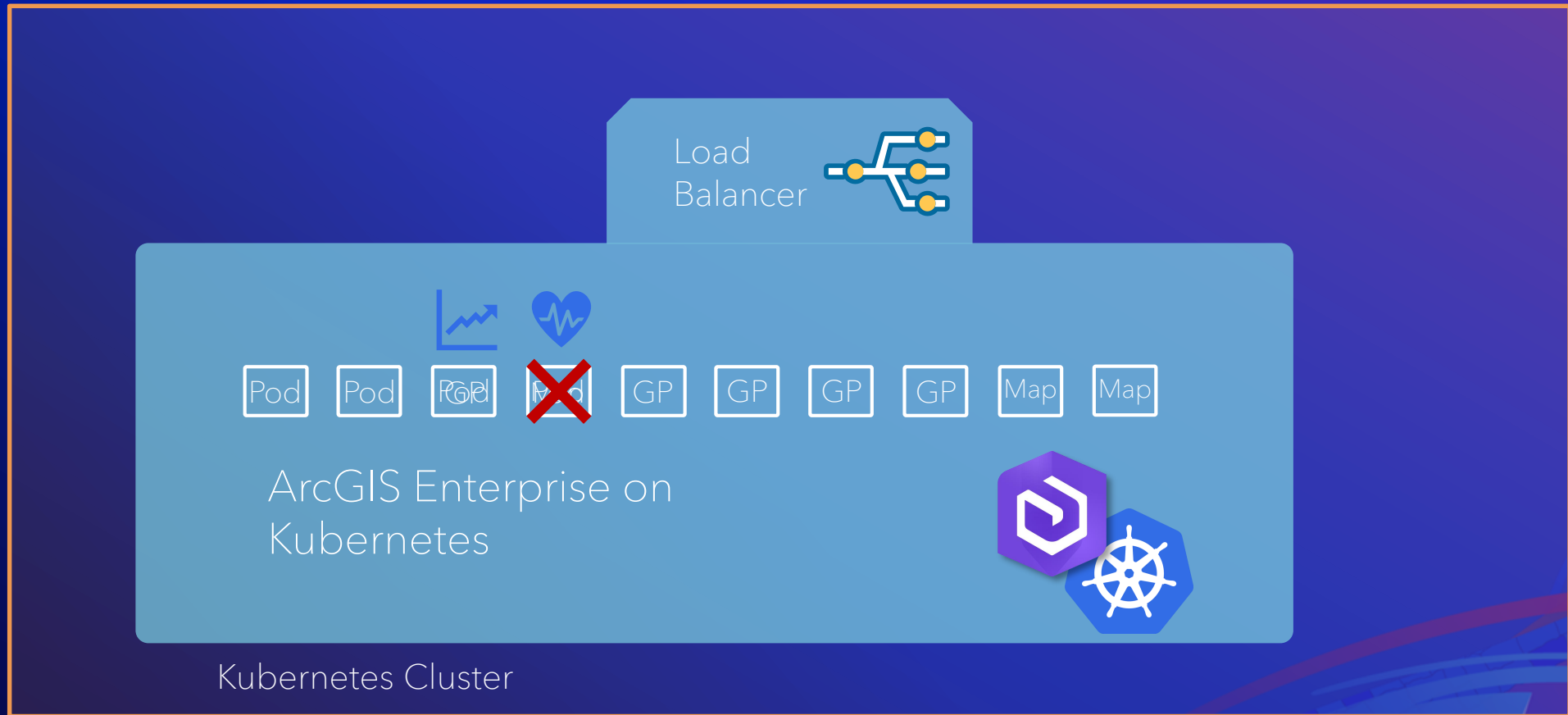
Scalability

Ease of
Maintenance

- Streamlined patching
- Targeted upgrades
- Less IT dependency



ArcGIS Enterprise on Kubernetes Architecture



ArcGIS Enterprise Deployment Options



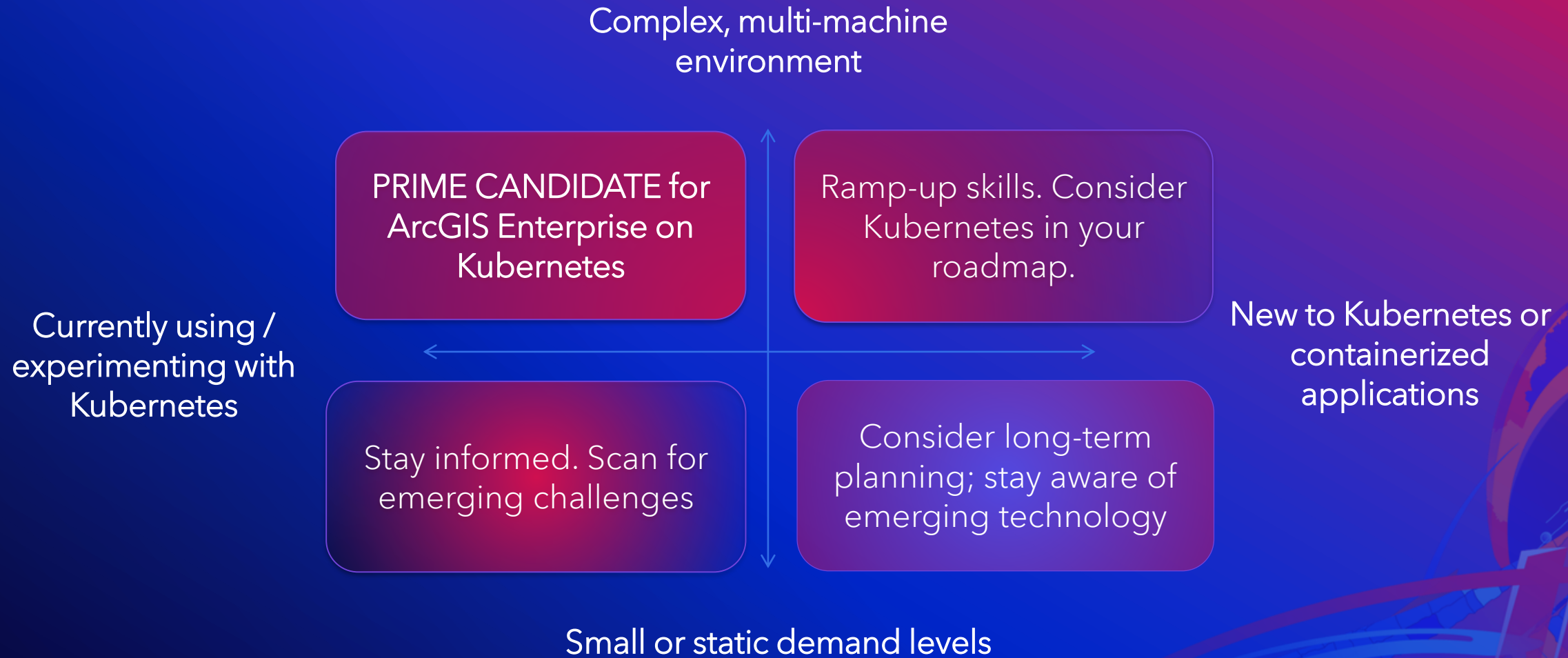
ArcGIS Enterprise Deployment Options



Who is it for?



Who is it for?





Demonstration

ArcGIS Enterprise Manager



esri®

THE
SCIENCE
OF
WHERE®