CONFERENZA ESRI ITALIA 2017

esri Italia

Geocortex®

Come predisporre progetti WebGIS ad alto contenuto funzionale..

*..le novità dell'ultima versione 4.7 e **Collaboration**, un nuovo modo per comunicare con operatori sul "campo"*

GeoGraphics SOLUZIONI GIS

IL MONDO DA TUTTI I PUNTI DI VISTA

Guido Sitta

Responsabile Tecnico

GeoGraphics S.r.l.

Cam Barnard

Product Manager

Latitude Geographics Ltd.

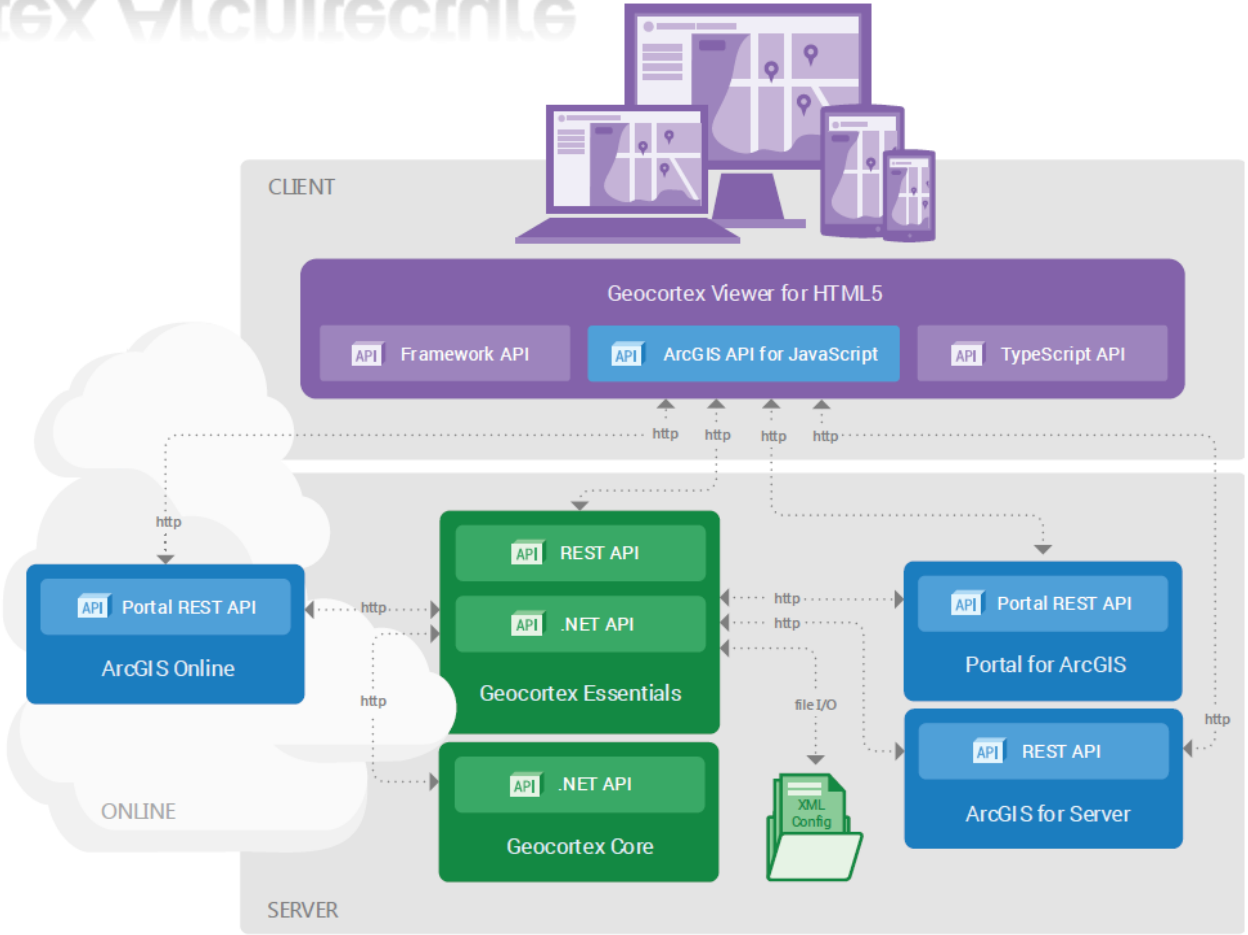
Agenda

- Cosa e' Geocortex®
- Architettura del sistema
- L'ambiente «Manager»
- Viewer (HTML5)
- La personalizzazione con Workflow e stampe
- Le novità e **Collaboration**
- **…….**

Perché Geocortex

- Dove inizia ad essere necessario sviluppare…
- Integrazione totale con AGOL/Portal
- Personalizzazione Layer e Mappe
- Layer Themes
- Editing Avanzato
- Instant Search
- Data Connections
- Security
- Workflows
- Reports
- Collaboration
- Salvataggio Progetti
- Mobile App
- Analytics Integration
- Supporto WCAG 2.0

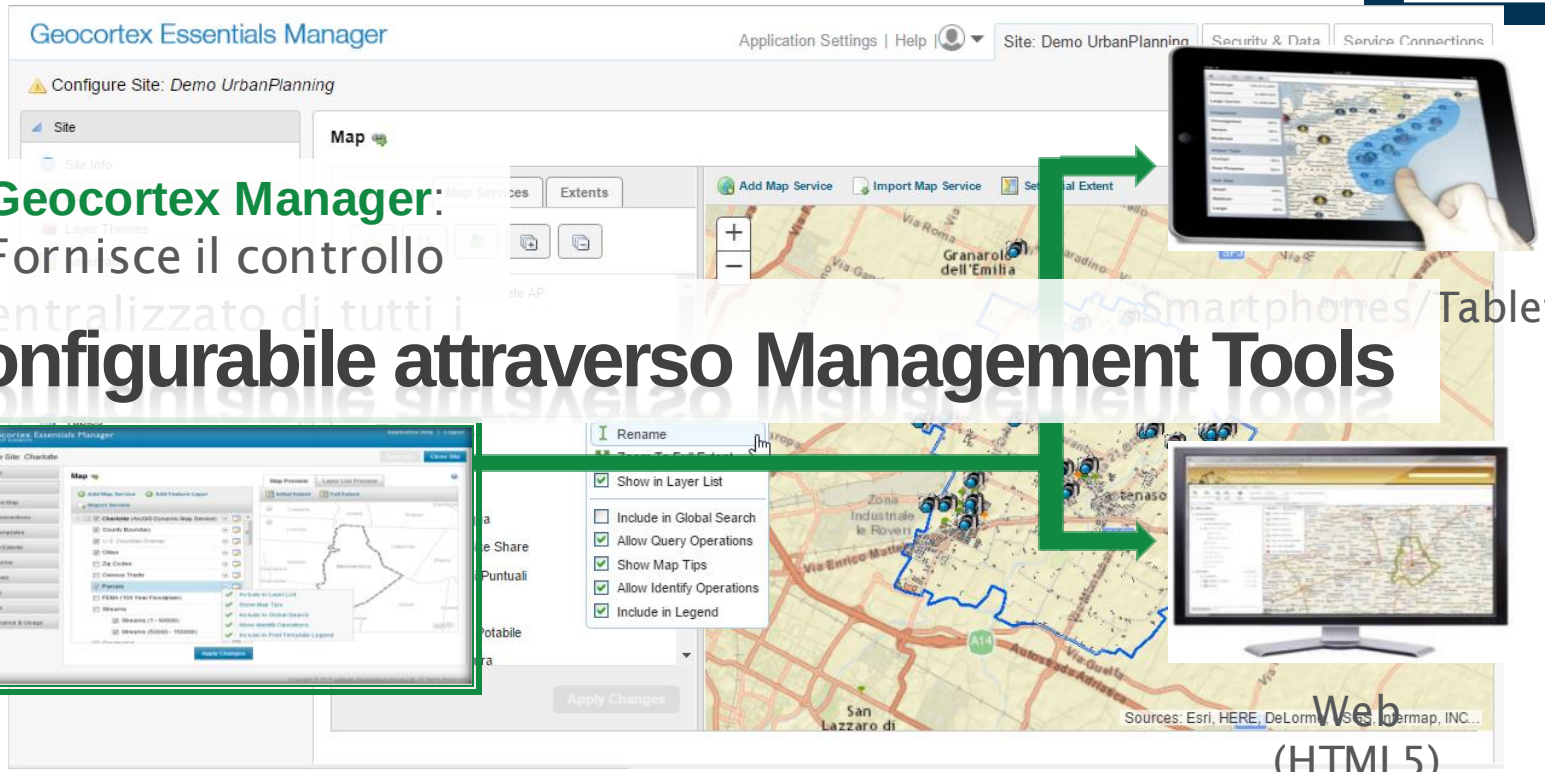
Geocortex Architecture



Architettura del sistema

La Spatial Application Infrastructure consente di costruire più applicazioni *standardizzate*, intervenendo direttamente sulle risorse e funzionalità necessarie, si possono «***vedere subito i risultati***» che l'utente GIS richiede.

L'ambiente «Manager»



Geocortex Manager:
Fornisce il controllo centralizzato di tutti i

Smartphones/ Tablets

Configurabile attraverso Management Tools

Web (HTML5)

1. Map Viewers

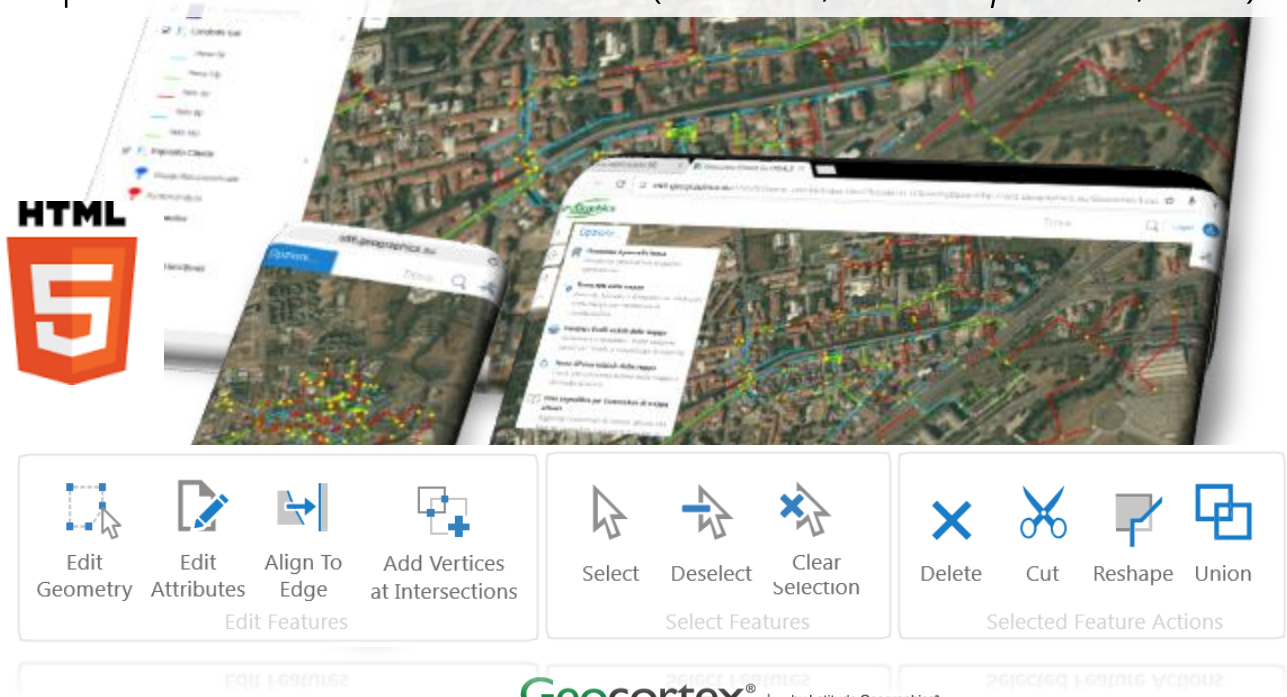
2. Workflow Technology

3. Spatial Application Infrastructure

1. Map Viewers

Semplice, Potente, Unico, Map Viewers

Configurabile, nessun plug-in, *vendor neutral*, ottimo per i dispositivi dell'era moderna (*Tablets*, *Smartphone*, *ecc.*).



Geocortex® | by Latitude Geographics®

1. Map Viewers

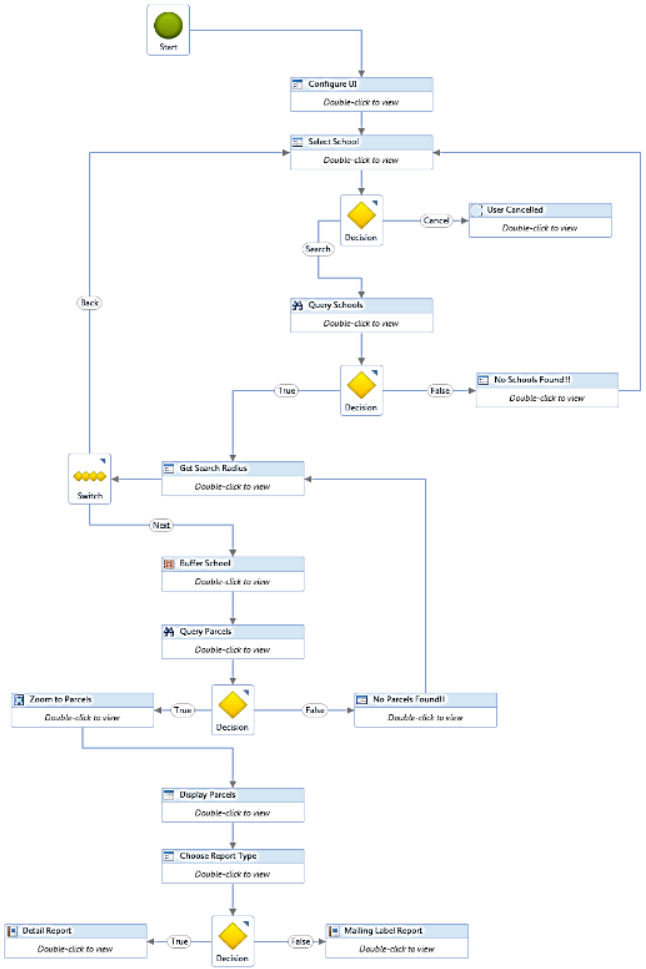
2. Workflow Technology

Perché i Workflow?

1 . Offrono un potente mezzo per creare applicazioni semplici, mirate e sofisticate.

2 . Riducono drasticamente le complessità dello sviluppo applicativo.

3 . Workflow & Forms sono indipendenti dallo sviluppo tecnologico.


Start
Configure UI
Double-click to view
Select School
Double-click to view
Decision
Cancel
User Cancelled
Double-click to view
Search
Back
Query Schools
Double-click to view
Decision
True
False
No Schools Found!!
Double-click to view
Switch
Get Search Radius
Double-click to view
Next
Buffer School
Double-click to view
Query Parcels
Double-click to view
Zoom to Parcels
Double-click to view
True
Decision
False
No Parcels Found!!
Double-click to view
Display Parcels
Double-click to view
Choose Report Type
Double-click to view
Detail Report
Double-click to view
True
Decision
False
Mailing Label Report
Double-click to view

1. Map Viewers

2. Workflow Technology

3. Spatial Application Infrastructure SAI

Geocortex è indipendente dai cambiamenti di prodotto/versione della “piattaforma” ArcGIS.

Novità Geocortex 4.7 (2017)

- Riordinamento map services & layers
- Personalizzazione stili disegno
- Geometrie cliccabili e modifica migliorata
- Raggruppamento per layer nella lista dei risultati
- Evidenziazione oggetti migliorata
- Esportazione dei dati relazionati
- Aggiunta di layer WFS per visualizzazione
- Costruzione e salvataggio di query complesse
- Filtro sull'elenco dei layer
- Collaboration multi user e real time

E ancora…

- Aggiungi e cancella oggetti dalla selezione cliccando in mappa
- Zoom sull'estensione di un featureset
- Copia la geometria di una feature sul layer grafico
- Cancella Attachment
- Testi di spiegazione dei tools più evidenti
- Supporto per stream services e stream layers
- Facilità di aggiunta della selezione corrente a selezioni salvate
- Map Tip ottimizzato in ambiente smartphone
- Scala di zoom configurabile per i servizi di Geocoding
- La selezione di un valore in una combo box di un WF può condizionare la visibilità di altri elementi nella form
- Feedback quando si clicca in mappa
  - Disabilitato il map tip in assenza di risultati!

Demo

Geocortex®

Le novita e le prossime Versioni…

Conferenza Esri Italia 2017 – Roma, Italia

Geocortex Technology Update

Presented by: Cam Barnard

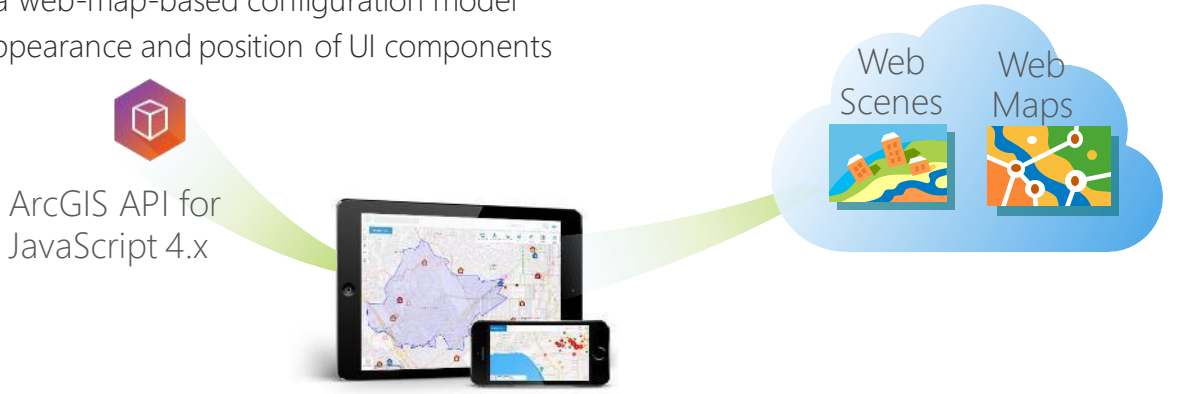
May 10th & 11th , 2017

Latitude Geographics®

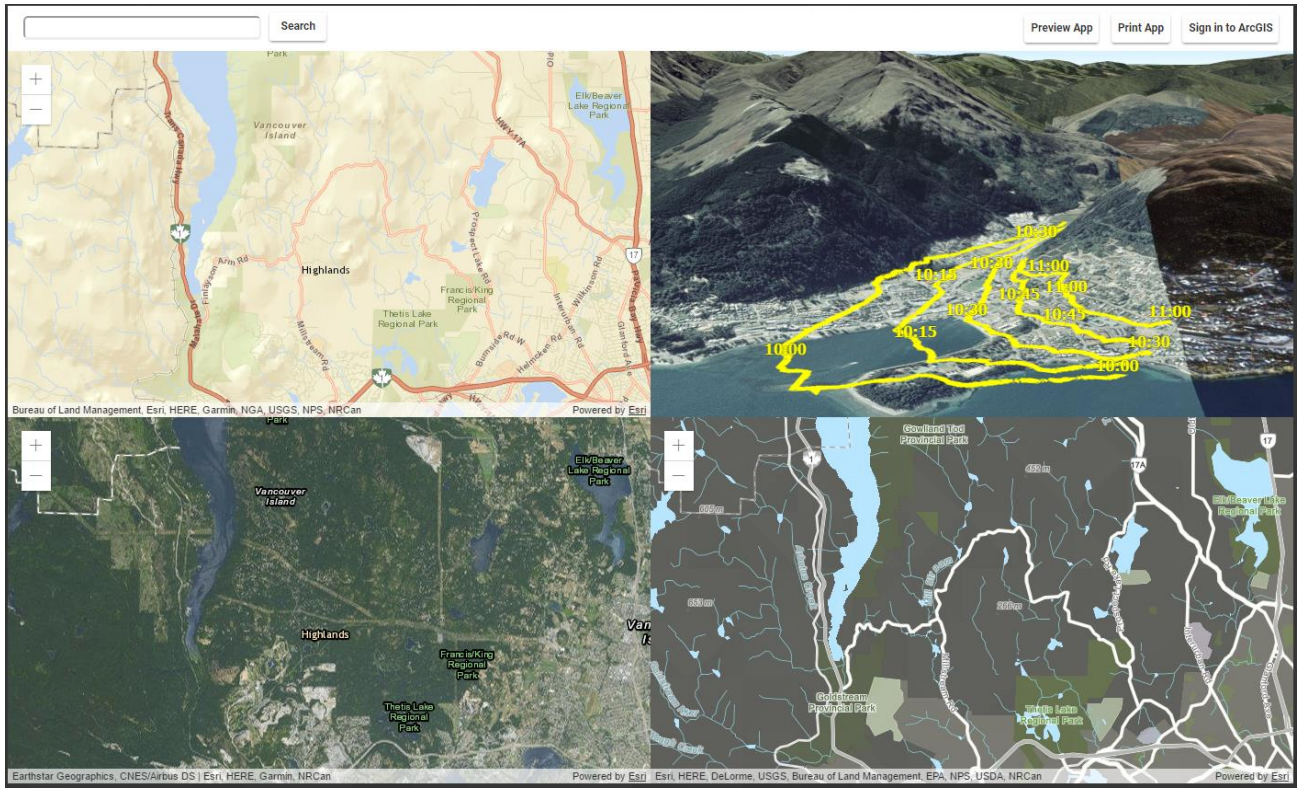
New HTML5 Viewer

Geocortex Essentials R&D:
Geocortex Viewer for HTML5 "3.0"

- Uses ArcGIS API for JavaScript 4.x
  - Dependency – 4.2 does not have parity with 3.19 (e.g. no drawing or editing support yet)
- Includes simultaneous 2D (web map) & 3D (web scene) support
- Customers can upgrade from 2.x to 3.x (futureproof Geocortex investment)
- New Geocortex API and configuration pattern
  - From Sites and Viewers → Apps with a web-map-based configuration model
  - Layout driven → more control over appearance and position of UI components
- Fastest HTML5 experience
  - Lazy loading and AMD-style modules
  - Skinny server connection - client side



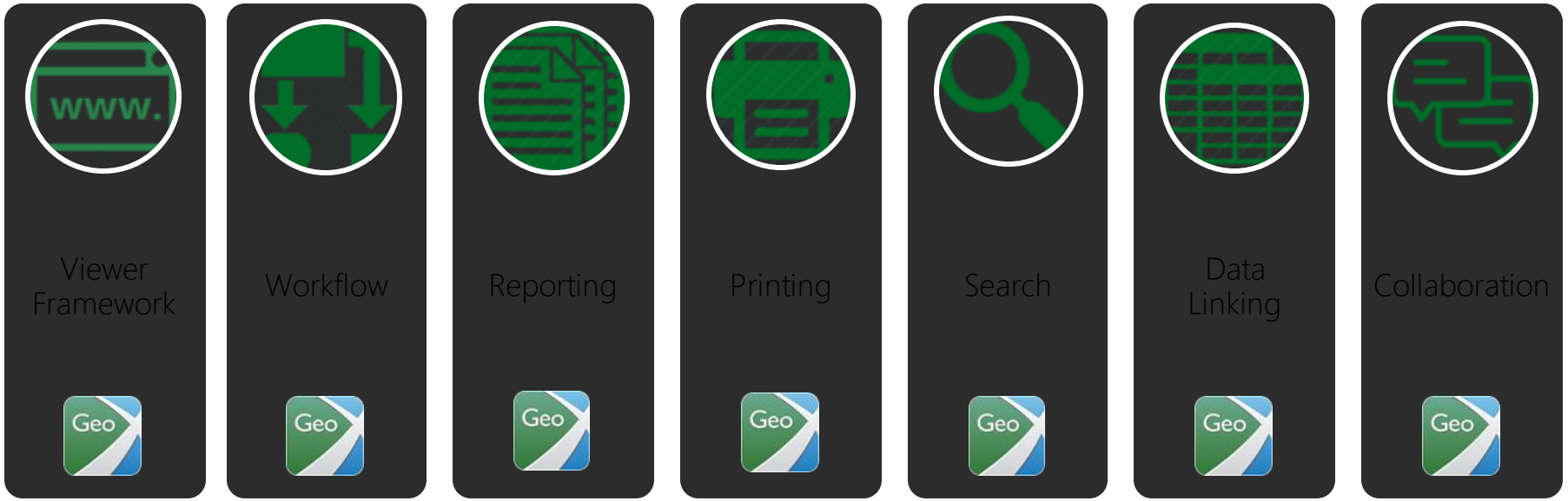
Geocortex Essentials R&D:
Geocortex Viewer for HTML5 “3.0”



Geocortex “5-series” Products

Looking ahead to Geocortex Essentials 5

Geocortex gets segmented into standalone, high value Products



Each product provides everything you need to use and deploy the value it offers…

Web Services
Provides REST-based access to execute the functionality.

Configuration
Simple, lightweight, portable configuration files, and configuration settings.

Manager
Easy-to-use web based tool for configuring the product.

Client APIs
Public, documented API for generating using the product in your own apps.

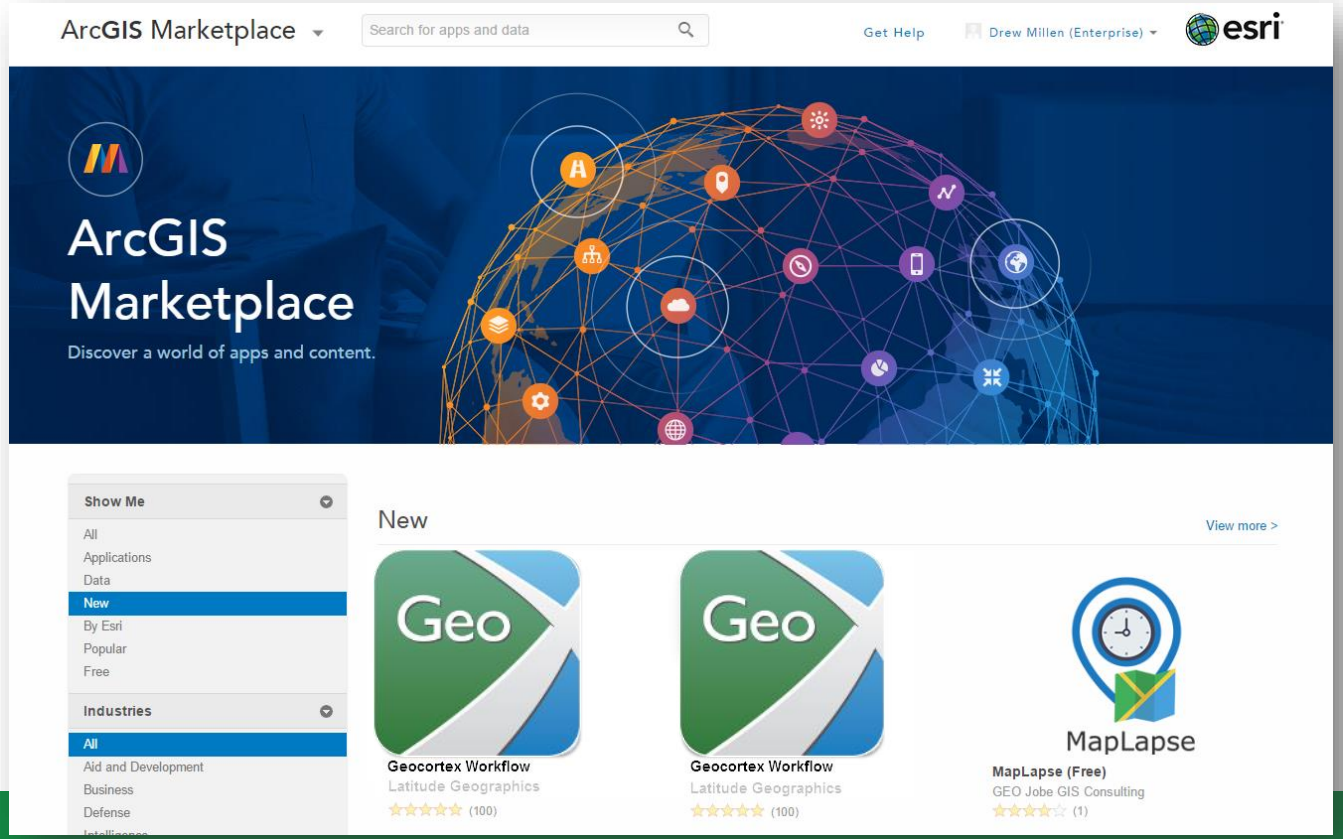
Client UI Components
Widgets and components allowing users to add to Web AppBuilder and Geocortex Viewers.

Documentation
Administrator and developer docs for configuring and deploying the product.

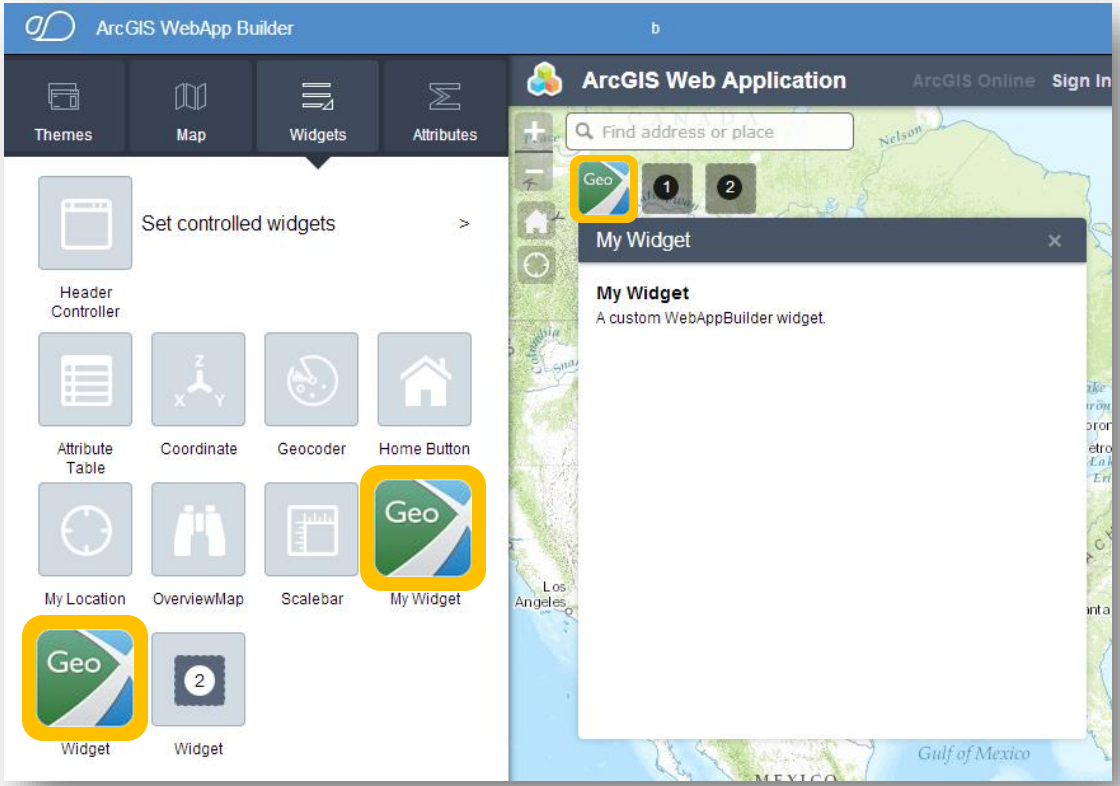
Why make this change?

- Easier for everyone to:
  - Understand
  - License
  - Deploy (SAAS available)
  - Use
- Expand the Geocortex user community
  - Fund and accelerate our R&D
- Make Geocortex a solution for more of the Esri market
  - Geocortex “inside” Esri solutions

Products are Listed on ArcGIS Marketplace



Then we realize Geocortex inside ArcGIS apps



Brand perception will evolve

From:

Geocortex as *viewers*

To:

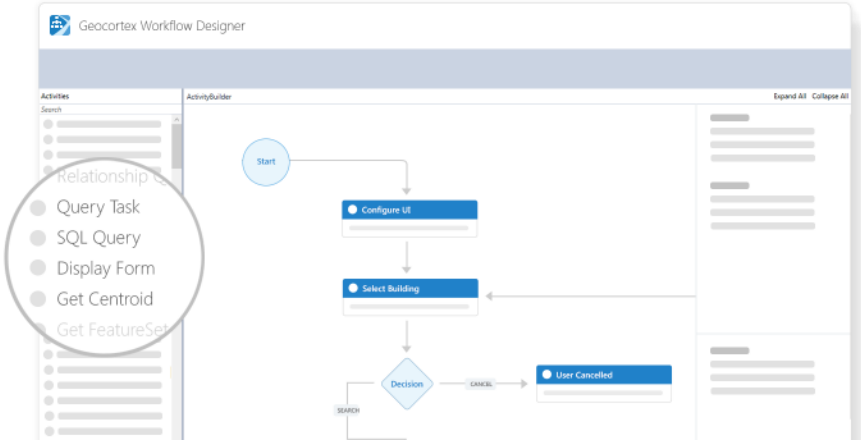
Geocortex as *powerful added capabilities*

Geocortex Workflow

From Complex Business Processes to Simple End-User Interactions

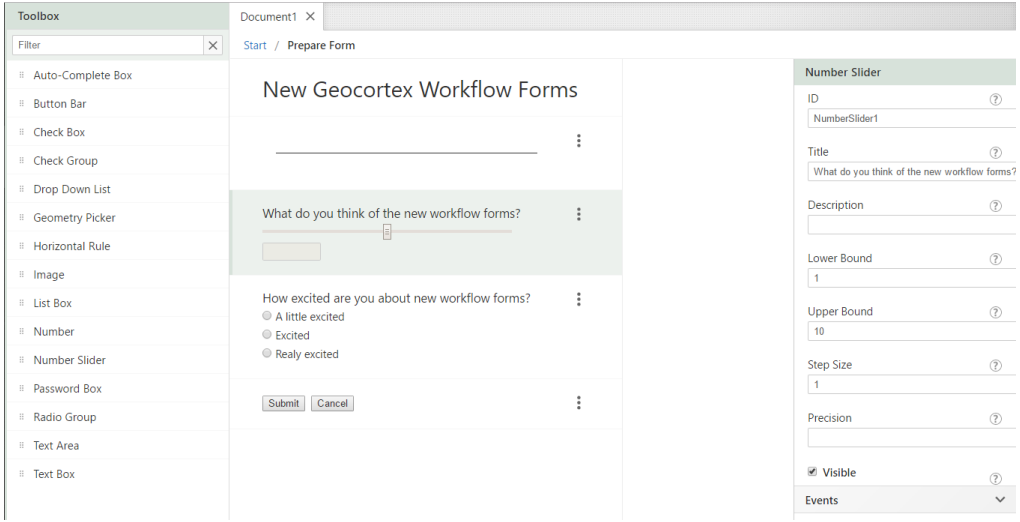
Faster learning, simpler authoring

- Additional power, but fewer and simpler concepts (e.g. no variables, just inputs and outputs)
- JavaScript is the scripting language. No more VBScript.
- Efficient, intuitive web-based design tool



More flexible forms

- More control and flexibility over form layout
- Allows combination of all user interaction into a single panel (e.g. capture geometry)



Disconnected by design

Online

Offline

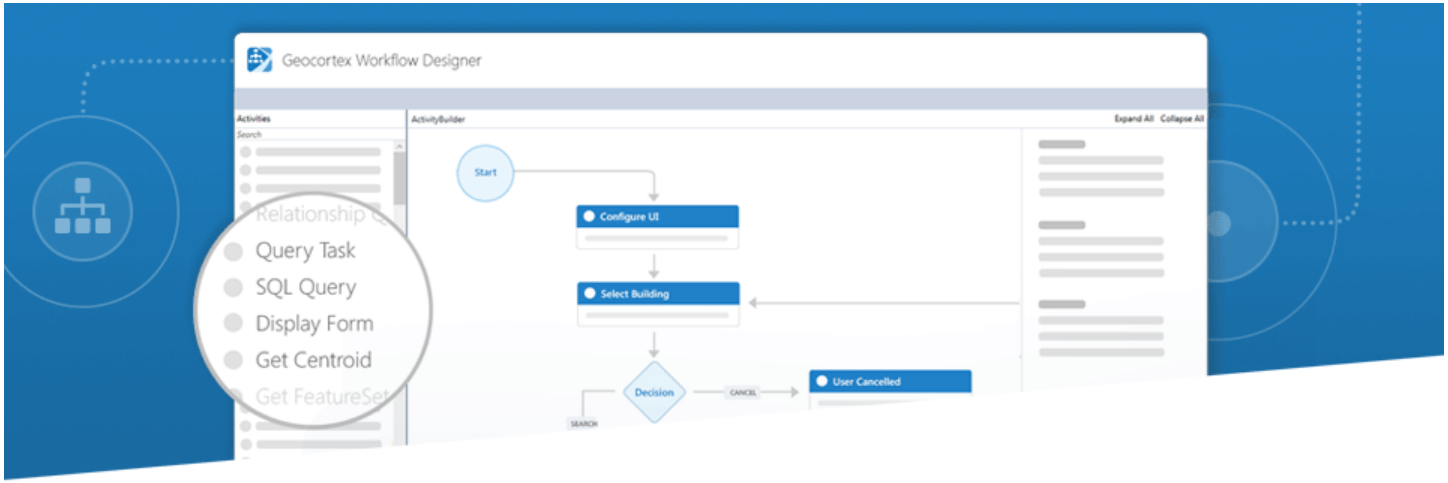
Geocortex Workflow

Automate custom requirements and provide guided interactions for end users.

- ✓ A foundation for long-term development and investment (10+ years)
  - ✓ Supported in GVH, GWV, GMV, Web AppBuilder and future ArcGIS apps
- ✓ Participate in Web GIS pattern, using AGOL or Portal for workflow storage and sharing
- ✓ Serves Geocortex apps and the *ArcGIS platform* - leverage with Esri's Web AppBuilder Developer Edition (and more)*
- ✓ Provide the ability to build workflows without installing or managing any software (SaaS)
- ✓ Simplify and streamline the design experience for administrators
- ✓ Surpass existing technology limitations - enable workflows to run in offline apps
- ✓ Add more advanced features and flexibility to forms
- ✓ Better performance for both developers and end users
- ✓ Offered standalone, without requiring organizations to adopt all of Geocortex Essentials

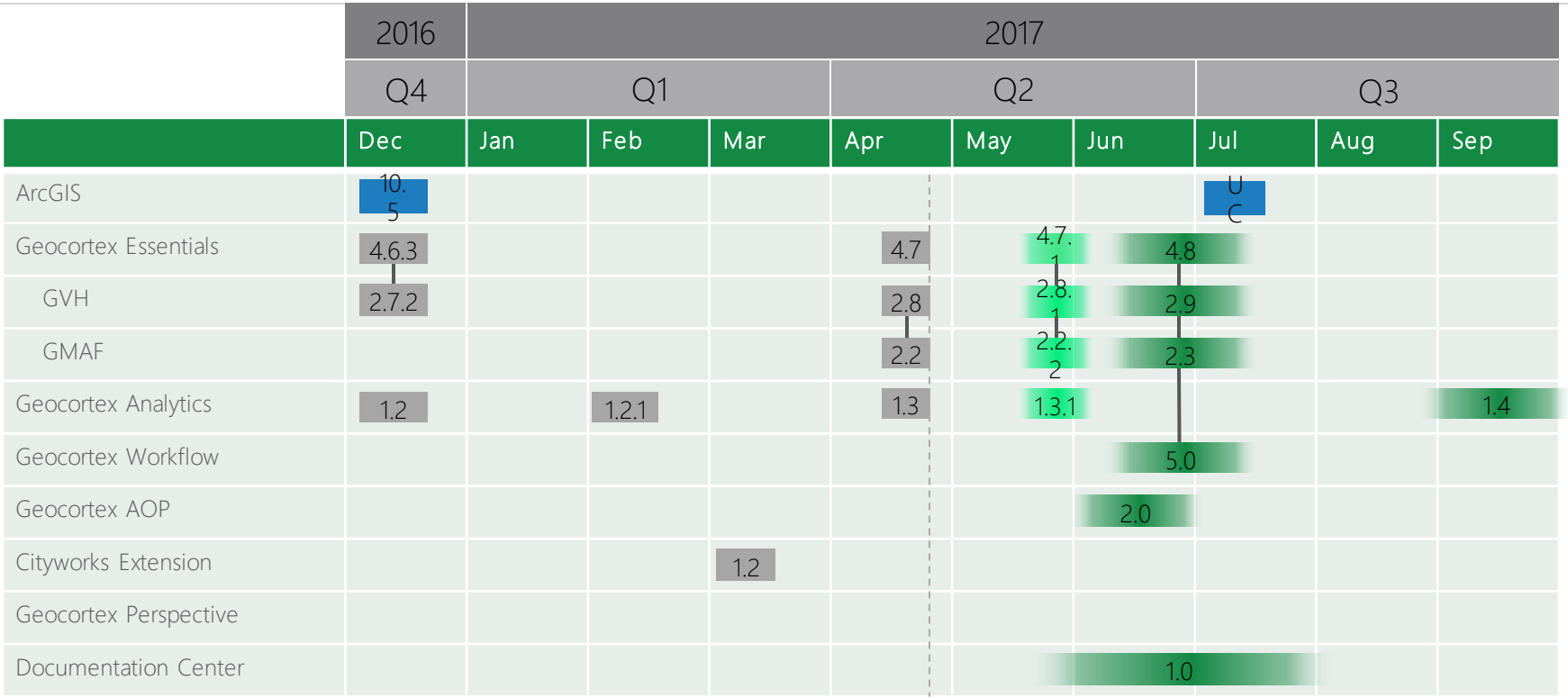
Recent Webinar – April 25th

Geocortex Workflow:
Automating Guided End-User Interactions



Recording available in Geocortex Support Center

Short-term Roadmap



Washington, D.C.

October 24 & 25, 2017

E-mail events@latitudegeo.com for more information

Grazie!

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cbarnard@latitudegeo.com
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web-based geography

GIS Projects Management

Guido Sitta
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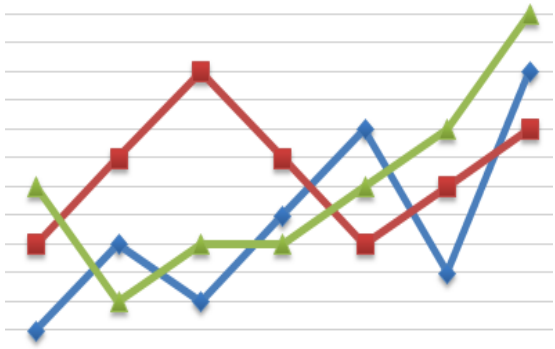
Grazie

Geocortex Analytics



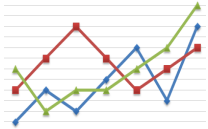
Come possiamo
migliorare i tempi di risposta,
aumentare la prestazione,
e garantire la stabilità
della nostra
infrastruttura GIS?

Permettere la conoscenza dell'infrastruttura GIS

- Collect → Dati sul servizio mappa ''parcels''
- Monitor → E' questo il servizio mappa? Quanto e' veloce?
- Alarm → Nessuna risposta 3x|Tempo di risposta>3000ms
- Act → Riavviare il servizio; notifica via e-mail
- Report → Mostra il tempo di attività dei Map Service ed i tempi di risposta, negli ultimi 30 giorni

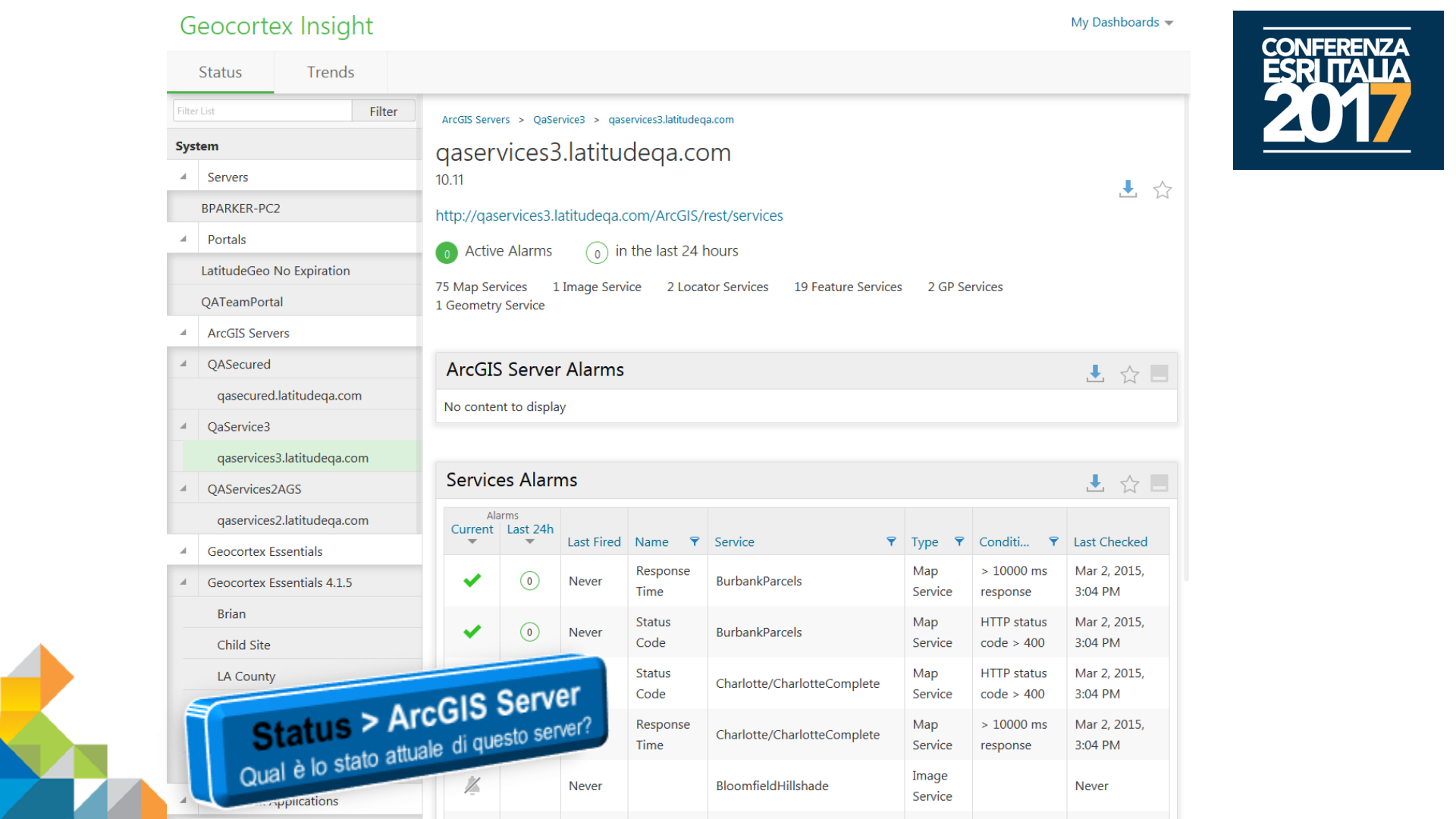
Tre aree principali:

Status



Trends

Dashboard


Geocortex Insight
My Dashboards
Status
Trends
Filter List
Filter
System
Servers
BPARKER-PC2
Portals
LatitudeGeo No Expiration
QATeamPortal
ArcGIS Servers
QASecured
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QaService3
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QAServices2AGS
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Geocortex Essentials
Geocortex Essentials 4.1.5
Brian
Child Site
LA County
ArcGIS Servers > QaService3 > qaservices3.latitudeqa.com
qaservices3.latitudeqa.com
10.11
http://qaservices3.latitudeqa.com/ArcGIS/rest/services
0 Active Alarms
0 in the last 24 hours
75 Map Services
1 Image Service
2 Locator Services
19 Feature Services
2 GP Services
1 Geometry Service
ArcGIS Server Alarms
No content to display
Services Alarms
Alarms
Current
Last 24h
Last Fired
Name
Service
Type
Conditi...
Last Checked
Never
Response Time
BurbankParcels
Map Service
> 10000 ms response
Mar 2, 2015, 3:04 PM
Never
Status Code
BurbankParcels
Map Service
HTTP status code > 400
Mar 2, 2015, 3:04 PM
Status Code
Charlotte/CharlotteComplete
Map Service
HTTP status code > 400
Mar 2, 2015, 3:04 PM
Response Time
Charlotte/CharlotteComplete
Map Service
> 10000 ms response
Mar 2, 2015, 3:04 PM
Never
BloomfieldHillshade
Image Service
Never
Status > ArcGIS Server
Qual è lo stato attuale di questo server?
CONFERENZA ESRI ITALIA 2017

Geocortex Insight

My Dashboards

CONFERENZA ESRI ITALIA 2017

Status | Trends

Filter List | Filter

System

- Servers
  - BPARKER-PC2
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  - QATeamPortal
- ArcGIS Servers
  - QASecured
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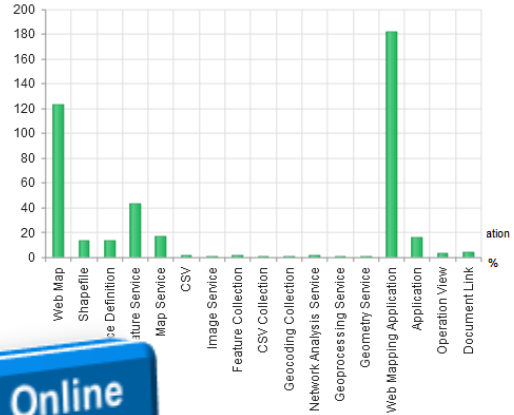
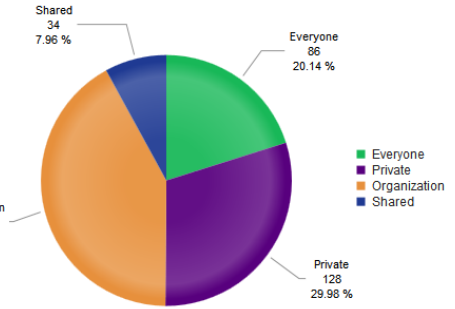
    - qaservices3.latitudeqa.com
  - QAServices2AGS
    - qaservices2.latitudeqa.com
- Geocortex Essentials
- Geocortex Applications
  - Brian Viewer
  - LA SLV
  - LA HTML
- Websites

Item Summary

Type	Count	Shared To			
		Everyone	Organization	Shared	Private
Web Maps	123	33	42	11	37
Layers	94	27	18	11	38
Tools	5	0	1	3	1
Apps	201	26	116	9	50
Files	4	0	2	0	2
Total	427	86	179	34	128



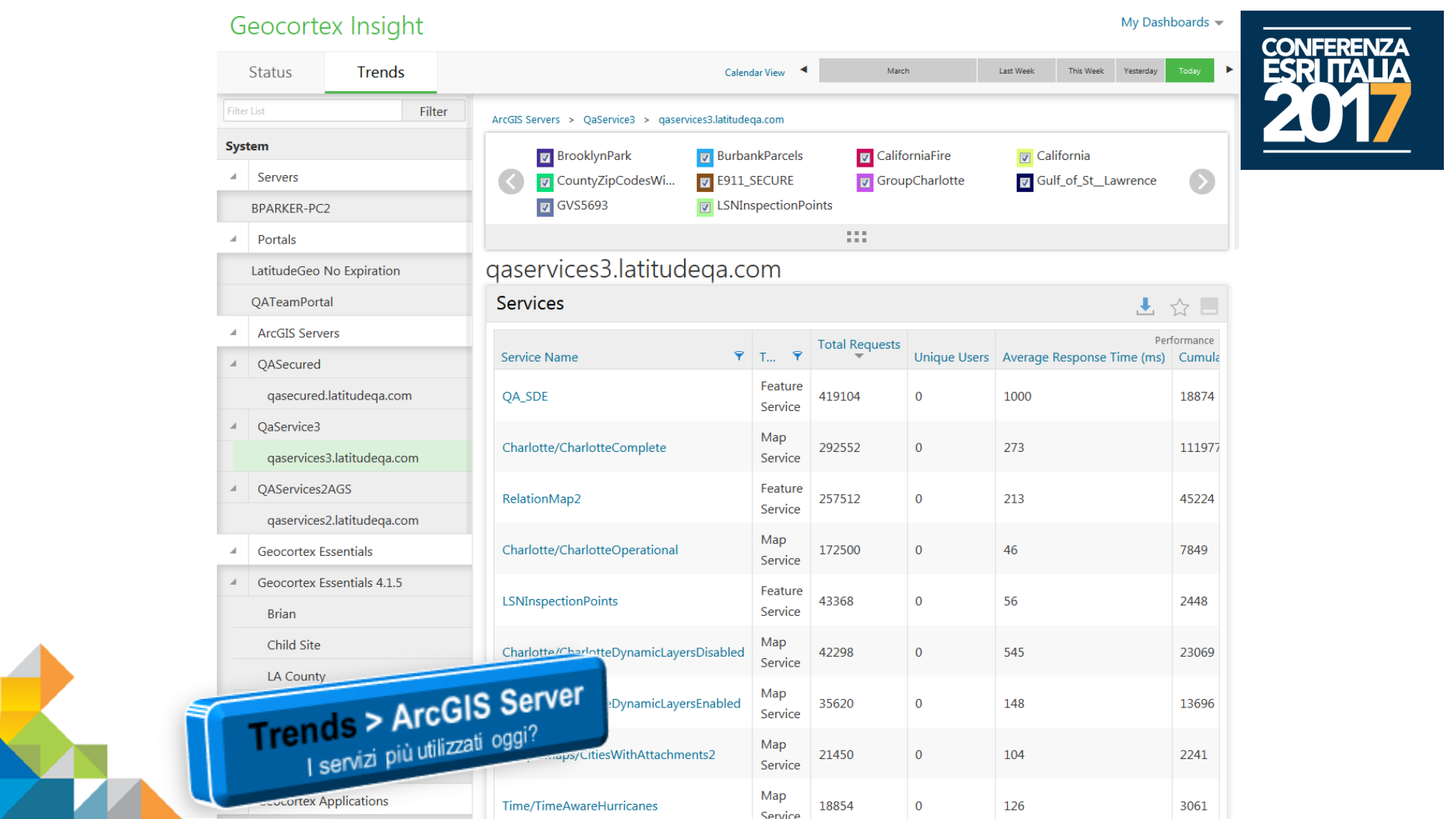


Status > ArcGIS Online

Qual è il contenuto del layer corrente?

Users

Items | Groups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Calendar View
March
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BurbankParcels
CaliforniaFire
California
CountyZipCodesWi...
E911_SECURE
GroupCharlotte
Gulf_of_St__Lawrence
GVS5693
LSNInspectionPoints
qaservices3.latitudeqa.com
Services
Service Name
T...
Total Requests
Unique Users
Performance
Average Response Time (ms)
Cumula
QA_SDE
Feature Service
419104
0
1000
18874
Charlotte/CharlotteComplete
Map Service
292552
0
273
111977
RelationMap2
Feature Service
257512
0
213
45224
Charlotte/CharlotteOperational
Map Service
172500
0
46
7849
LSNInspectionPoints
Feature Service
43368
0
56
2448
Charlotte/CharlotteDynamicLayersDisabled
Map Service
42298
0
545
23069
DynamicLayersEnabled
Map Service
35620
0
148
13696
Map Service
21450
0
104
2241
Time/TimeAwareHurricanes
Map Service
18854
0
126
3061
Trends > ArcGIS Server
I servizi più utilizzati oggi?
CONFERENZA ESRI ITALIA 2017

Geocortex Insight

My Dashboards

Status | Trends

Calendar View | March | Last Week | This Week | Yesterday | Today

Filter List | Filter

System

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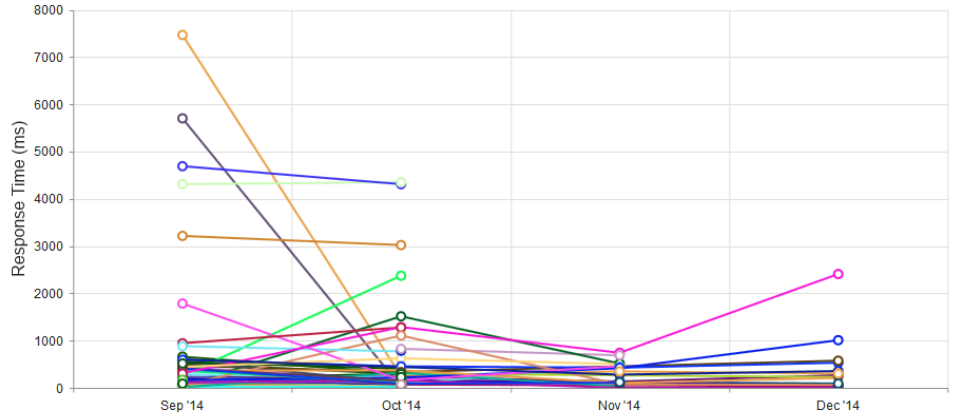
  - qaservices2.latitudeqa.com
- Geocortex Essentials
- Geocortex Essentials 4.1.5
  - Brian
  - Child Site
  - GVS-5771
  - TestSite

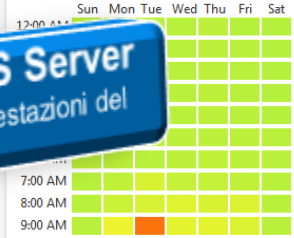
Performance

Average



Month

Peak Times



Trends > ArcGIS Server

Visualizzazione delle prestazioni del servizio

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Geocortex Insight

My Dashboards

Status | Trends

Calendar View | January | February | March

Filter List | Filter

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- Geocortex Essentials 4.1.5
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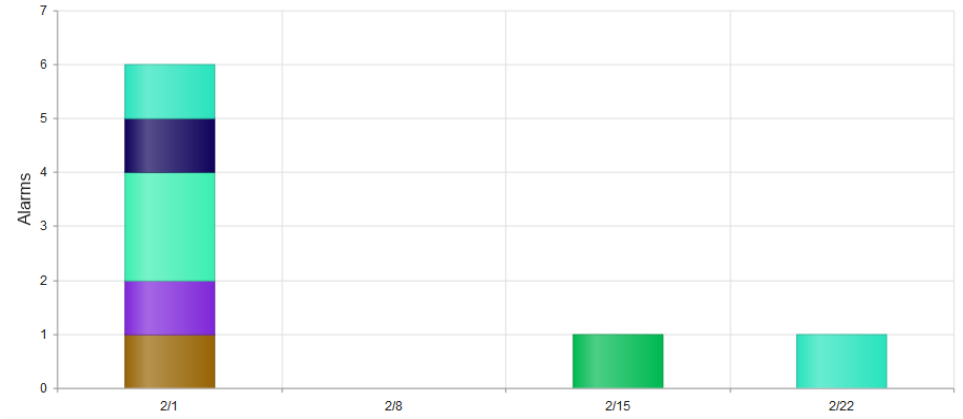
  - Child Site
  - GVS-5771
  - TestSite

Alarms



Week

Errors

No content to display

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

2:00 AM
3:00 AM
4:00 AM

Trends > ArcGIS Server

Allarmi della settimana in Febbraio

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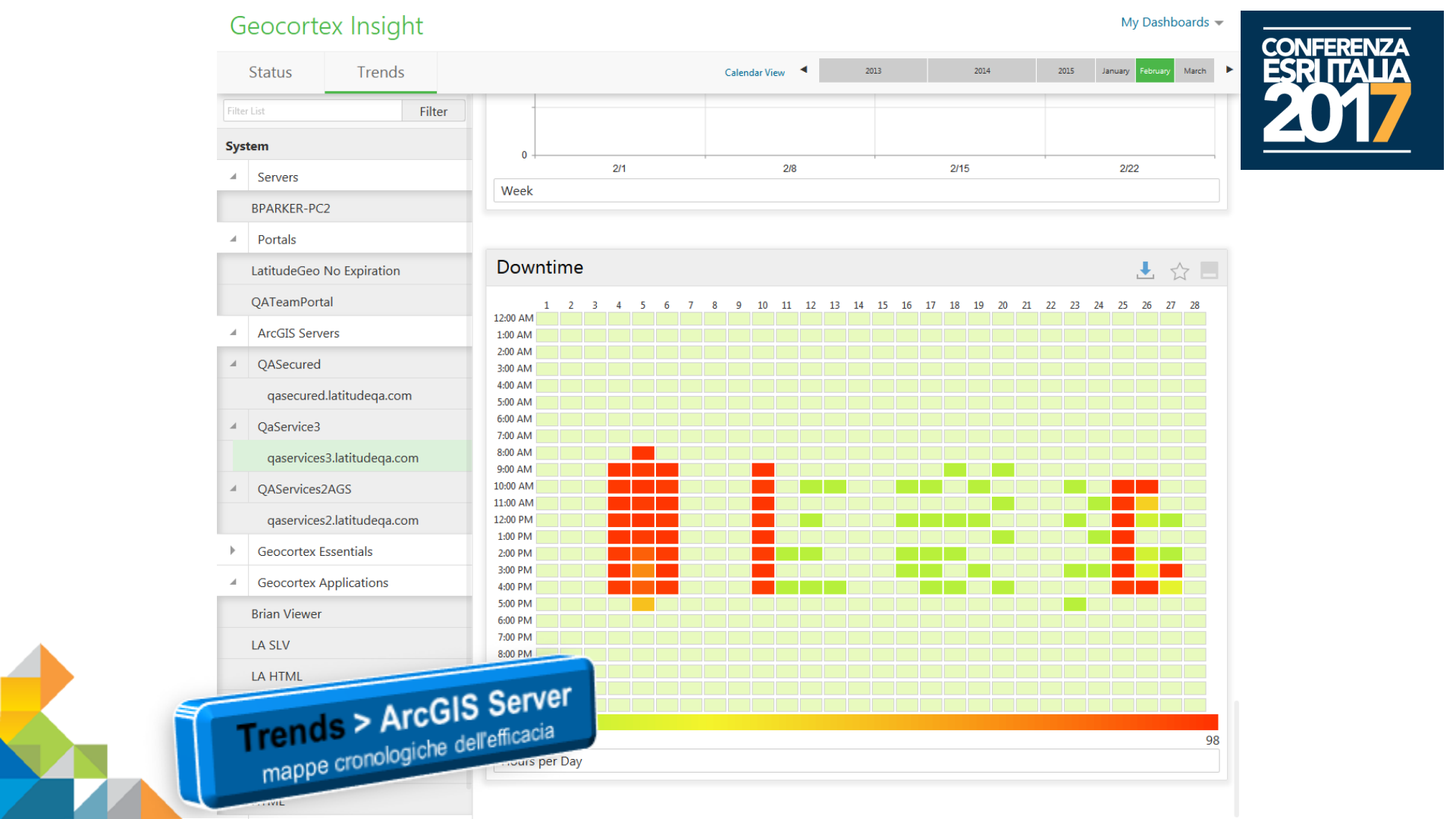
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2014
2015
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February
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LA SLV
LA HTML
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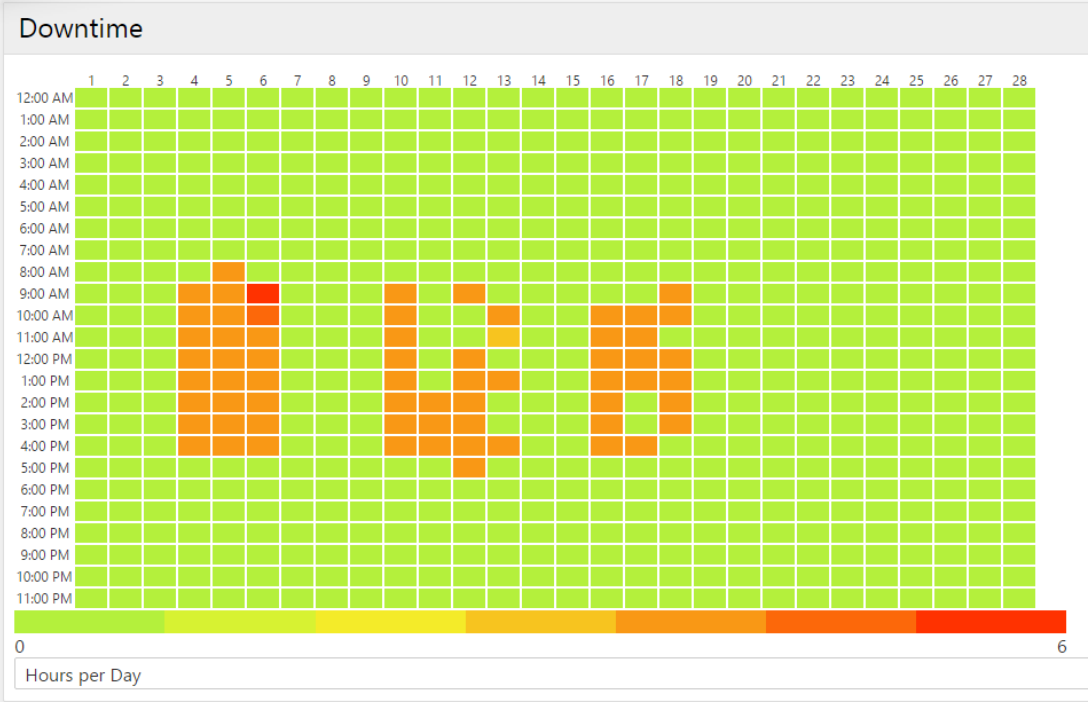
2/15
2/22
Week
Downtime
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
12:00 AM
1:00 AM
2:00 AM
3:00 AM
4:00 AM
5:00 AM
6:00 AM
7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
12:00 PM
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM
6:00 PM
7:00 PM
8:00 PM
98
Trends > ArcGIS Server
mappe cronologiche dell'efficacia
CONFERENZA ESRI ITALIA 2017

Data Visualization

Downtime by calendar day

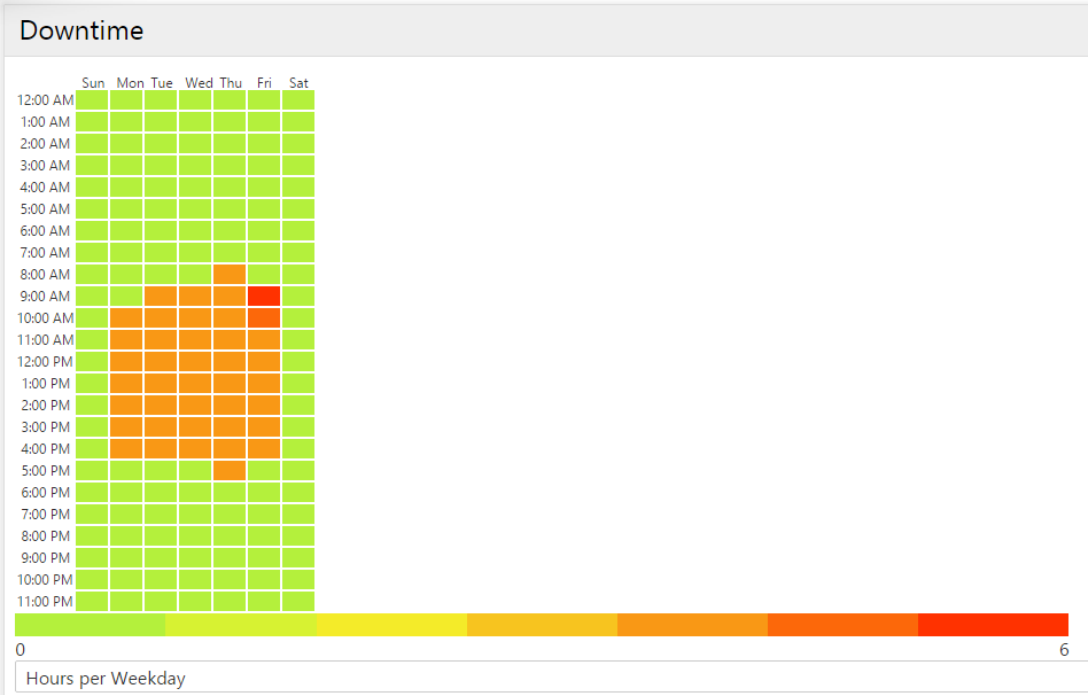


Tempi di fermo per giorno/mese

Geocortex® | by Latitude Geographics®

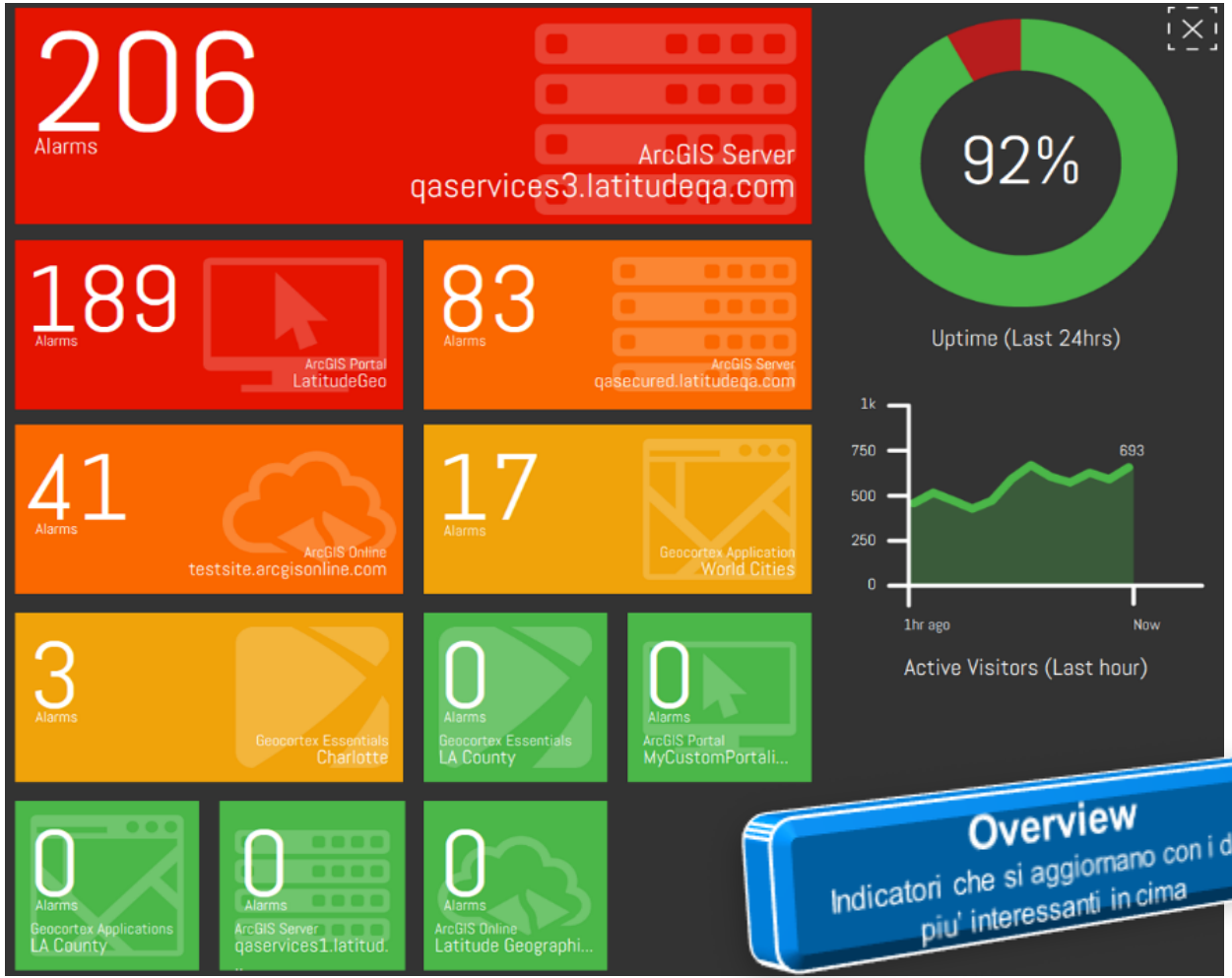
Data Visualization

Downtime by day of week



Tempi di fermo per giorno/settimana

Geocortex® | by Latitude Geographics®


206
Alarms
ArcGIS Server
qaservices3.latitudeqa.com
189
Alarms
ArcGIS Portal
LatitudeGeo
83
Alarms
ArcGIS Server
qasecured.latitudeqa.com
41
Alarms
ArcGIS Online
testsite.arcgisonline.com
17
Alarms
Geocortex Application
World Cities
3
Alarms
Geocortex Essentials
Charlotte
0
Alarms
Geocortex Essentials
LA County
0
Alarms
ArcGIS Portal
MyCustomPortali...
0
Alarms
Geocortex Applications
LA County
0
Alarms
ArcGIS Server
qaservices1.latitud.
0
Alarms
ArcGIS Online
Latitude Geographi...
92%
Uptime (Last 24hrs)
1k
750
500
250
0
693
1hr ago
Now
Active Visitors (Last hour)
Overview
Indicatori che si aggiornano con i dati
piu' interessanti in cima