Esri, GIS, and the Cloud Providing New Opportunities

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Cloud Computing - Wikipedia

- Cloud computing is <u>Internet</u>-based <u>computing</u>, whereby shared resources, software, and information are provided to <u>computers</u> and other devices on demand, like the <u>electricity grid</u>...
- ... Details are abstracted from the users, who no longer have need for expertise in, or control over, the technology infrastructure "in the cloud" that supports them...
- ... Cloud computing describes a new supplement, consumption, and delivery model for <u>IT</u> services based on the Internet, and it typically involves over-the-Internet provision of dynamically <u>scalable</u> and often <u>virtualized</u> resources...

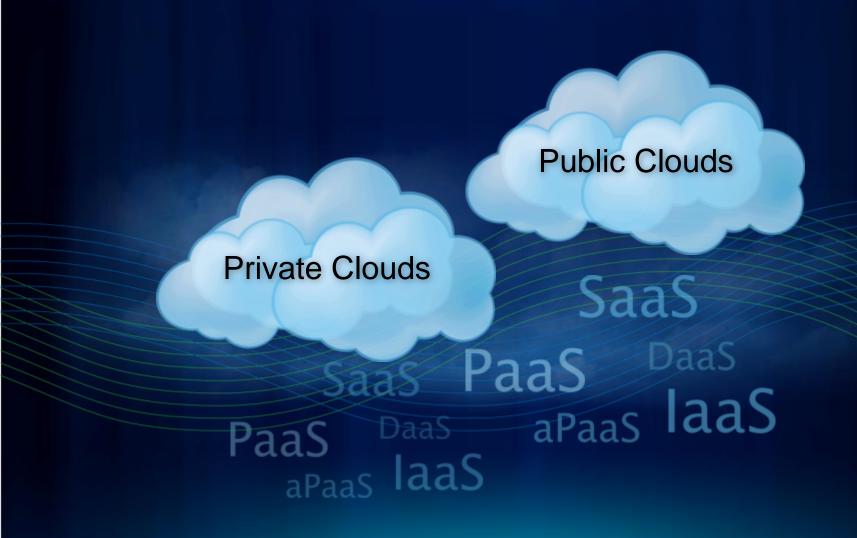
Lots of hype

Gartner Hype Cycle for Cloud Computing, 2010

39 Cloud topics of which 75% are either rising or at peak of hype

"Cloud computing remains the latest, most hyped concept in IT"

Many clouds, many services...



What are the different services?

Software as a Service (SaaS) End-user applications delivered as a service rather than on-premises software

Platform as a Service (PaaS) Application platform or middleware on which applications can be built

Infrastructure as a Service (laaS)

Compute, storage, or other IT infrastructure as a service

Software + Services (S+S) Leveraging hosted services with locally installed software applications

New? Business Models

Perpetual

Up front purchase plus annual maintenance. A traditional model for buying software licenses and ongoing maintenance.

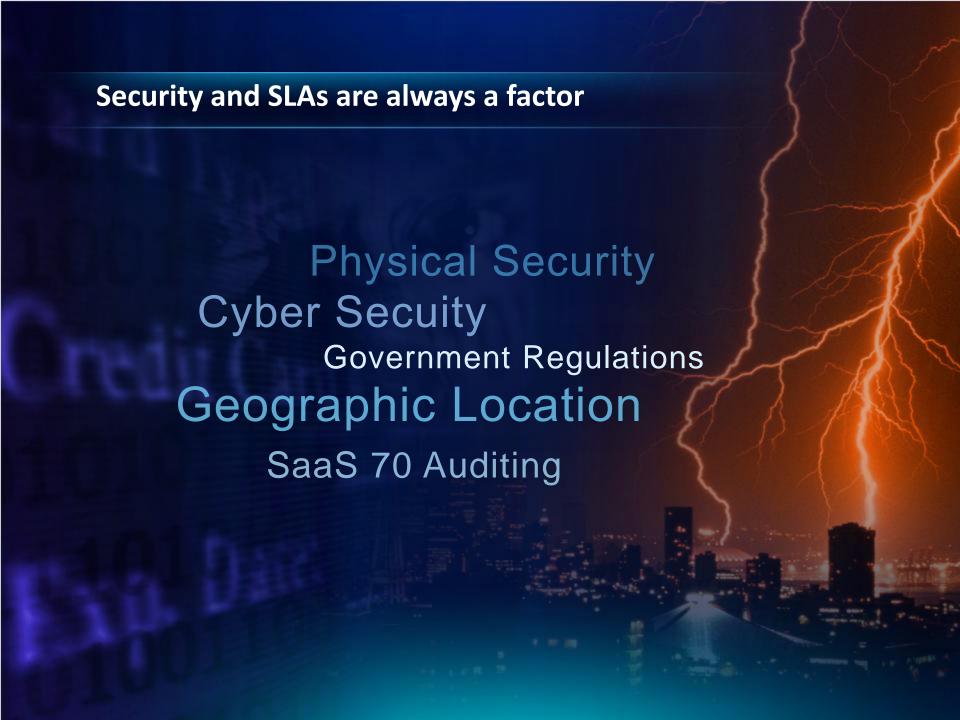
Subscription

One fee for the right to use service for a finite period of time. Similar to how you subscribe to a magazine or newspaper.

Consumption

Pay-as-you-go for what you consume. Similar to how you buy electric and gas service from a utility.





It's not an all or nothing proposition





The anatomy of GIS



Things that used to cost money are now free

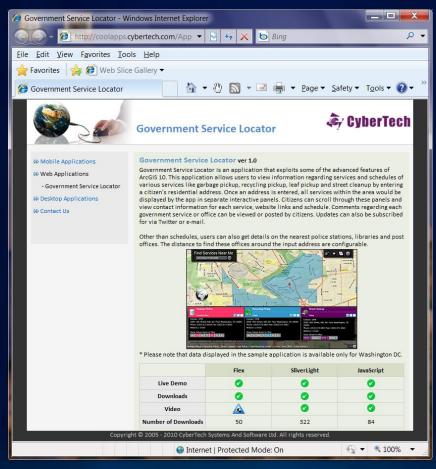


Things that used to be hard to find are now easier

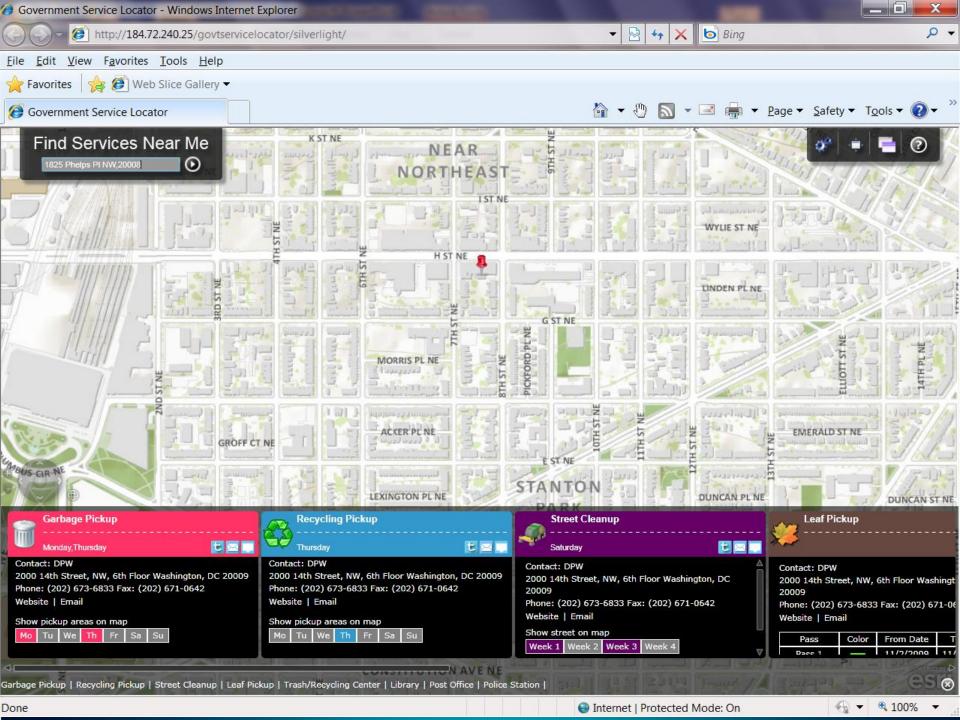


ArcGIS.com Search for Government Services

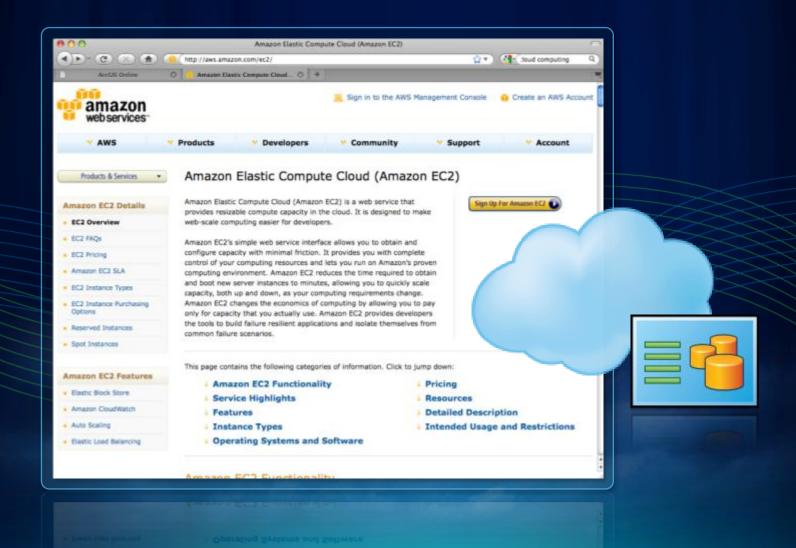
Trash pick-up



Viewer application code available freely



Things that used to be complex are now easier



Things that used to take development are now ready to use

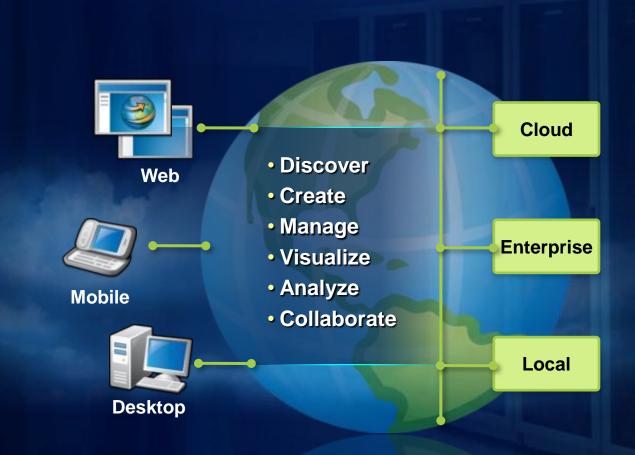




Creating new opportunities



Esri's evolving GIS platform



Powering the GeoWeb of the future



Thank You



Community Basemap Information

Follow-up details discussed during the presentation Q&A

- ArcGIS Resource Center Community Basemap program details
 - http://resources.arcgis.com/content/community-basemap/about
- Free Community Basemap Seminar @ NEARC
 - http://www.northeastarc.org/2010/html/activities.shtml#communitymaps
- Paid 3 day online training workshop
 - http://training.esri.com/gateway/index.cfm?fa=catalog.c ourseDetail&CourseID=50123474_10.x