Supporting the Army Enterprise with ESRI and Citrix

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Session Outline

• Advantages of using Citrix environment for Desktop Tools Deployment

• Overview of Army Mapper Desktop Tools via Citrix

• Challenges encountered
Desktop Tools via Citrix Benefits

- Funded by ACSIM
  - GIS capability for Army community at low to no cost
  - Centrally funded and managed hardware and software
  - Create and edit GIS and CADD data
- Central system accreditation and certification
- Shared tools
- Installation data shared across Army community
- Data backed up and archived
- Data standardized
- Predefined data formats/structures
- Access to centrally managed base data (ESRI appliance)
- Access to some HQ program developed data (ECM, soils)
- Increased processing power of servers v. desktop
- Extend lifecycle of desktop workstation
- Network connectivity – only requirement
Conditions for Using Desktop Tools via Citrix

- User documentation must be completed
  - Government: signed access request
  - Contractor: COTR signed access request
- All requests approved by IGI&S leadership
- All must have valid AKO account
- All Army network restrictions and use guidelines and limitations apply
Requesting Access to Desktop Tools via Citrix
System Access Request Form

- Select tools to access
- Submit valid AKO e-mail address
- Submit valid signatures
- E-mail to helpdesk (mapperhelp@conus.army.mil), or fax to OACSIM office
Access the Tools
Desktop Tools

- Provides ESRI ArcGIS and Bentley MicroStation via the web; no desktop software installation and maintenance required
- Plans to implement AKO/CAC Single Sign-on; currently requires non-AKO secure login
- Access, editing and viewing permissions controlled via security module
- Supporting a limited set of users during IOC Beta
Desktop Tools - ArcGIS

- Providing floating licenses for ArcView, ArcEditor, and ArcInfo products; number of licenses will expand as installations migrate to Army Mapper
- Each user has individual workspace and shared workspace within their Garrison/Organization
- User access Army Mapper data repository via Spatial Database Connections
- Data can be quickly transferred to user/shared workspaces (FTP) for maintenance within Citrix and publishing to Army Mapper
Desktop Tools - ArcGIS

- ArcGIS products operate through Citrix as out-of-the-box implementations

- User can save/retrieve map documents, perform standard functions, add-in toolboxes, and use licensed extensions

- Army Mapper data SDSFIE compliant
Shared Storage (Drive S:)

ftp://gis.hqda.pentagon.mil/

Drive S: via ArcMap

Drive S: via MicroStation

SAN
Personal Storage (Drive P:)

SAN

Drive P: via MicroStation

Drive P: via ArcMap

Just right mouse click and copy/paste file from ftp_swap to your personal drive.
Desktop Tools - CADD

• Providing licenses for Bentley MicroStation and Map products; number of licenses will expand as installations migrate to Army Mapper

• Each user has individual and shared workspaces within their Garrison/Organization

• Data can be quickly transferred to user/shared workspaces (FTP) for maintenance within Citrix
Desktop Tools - CADD

• CADD products operate through Citrix as out-of-the-box implementations
• User can save/retrieve design files and perform standard functions
Request Access to Data
Request Layer Group Access

Access to Layer Groups

Test users of Army Mapper Desktop Tools can request access to Army Mapper's geospatial data.

To make a request:
1. Review the Data Availability report for your location and determine what layer group(s) you need to access.
2. Specify the location, role (Editor or Viewer), and layer group(s) required, and submit your request (below).

Location: 63RD RRC - CALIFORNIA
Role: 99TH RRC - KANSAS
Layer Group(s): No

Submit Cancel
Request Layer Group Access

From: julia.l.carter@us.army.mil
Sent: Tue 1/29/2000 11:18 AM
To: ACSIM Army Mapper Helpdesk
Cc: julia.l.carter@us.army.mil
Subject: Army Mapper Layer Groups Access Request

Request Date: Tue Jan 29 11:17:55 EST 2000
Request Type: Layer Groups Access
Request By: julia.l.carter
Organization: ALASKA NATIONAL GUARD
Permission: Data Viewer
Layer Groups: Public Works
Viewing Data in ArcSDE

- Use login provided to you by Army Mapper Helpdesk
- Data is stored by identifier “RWExxxxx” or “REAxxxxx”, etc.
Viewing Data in ArcSDE

Permission has not been granted to schema RRS06685

Permission has been granted to this schema only (RRS55425)
Other Data in Army Mapper
Feedback Process

- Army Mapper Helpdesk: mapperhelp@conus.army.mil
  - Report bugs, suggest improvements to application or User’s Guide, identify business requirements and enhancements
  - Access through the Submit Feedback link in Army Mapper

- Responses to Feedback
  - System outages addressed ASAP
  - Other feedback tracked, prioritized and addressed iteratively
  - Users may be contacted by development/support team if more information is needed

- Status of Feedback
  - Feedback summary information available through the Release Notes link (Army Mapper Home Page) and IGI&S AKO Knowledge Center
  - Feedback summary status updated at least weekly
Challenges Encountered

• Server environment – migration to hosting facility, March through May 2008
• License availability
• User access to data stored ‘locally’
• Customized tools
• Learning curve (i.e., how to create an ArcSDE connection)
DISCUSSION