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ADP013338

TITLE: Assembly and Deployment of Enterprise Visualisation Solutions

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This paper is part of the following report:

TITLE: Multimedia Visualization of Massive Military Datasets [Atelier OTAN sur la visualisation multimedia d’ensembles massifs de donnees militaires]

To order the complete compilation report, use: ADA408812

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The following component part numbers comprise the compilation report:
ADP013309 thru ADP013341
Discussion – Paper 25

Assembly and Deployment of Enterprise Visualisation Solutions

Research Program at DSTO in visualisation area
   Differs from more traditional approaches
   Several teams
   Vis team combined with knowledge based team + another
   Question: How can we provide infrastructure and support for particular domains

Looking at Vis. In C3I
   Operational and strategic levels (little bit of tactical)
   Domain solutions—analysis, how do we link into information management
   Cost of deployment needs to be considered

Research Issues
   Provision process—how things are deployed

InVision—new approach for computer-based vis. Resulting from research being conducted at DSTO

Key concepts
   • Integrated component-based vis. Approach
   • Model based visualisation
   • M-V-C
   • Allows a variety of information representations and views to be integrated
   • Representational integration—putting together different representational forms into one visualisation—e.g., map + chart
   • Knowledge-based deployment components
Integration of components to build vis system

User Perspective
- Rich visualisation environment using COTS components (e.g., graphs charts)
- Topographic view
- Workspace—allows various views and representations to be combined and tailored to user roles
- Process/Workflow support
- Intelligent assistants—guiding the user
- Monitoring

Virtual machine question: java platform independent, yes addressing that

Development process iterative and evolutionary