Introduction

Use of DCE and Encina Within General Motors

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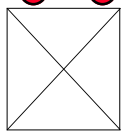
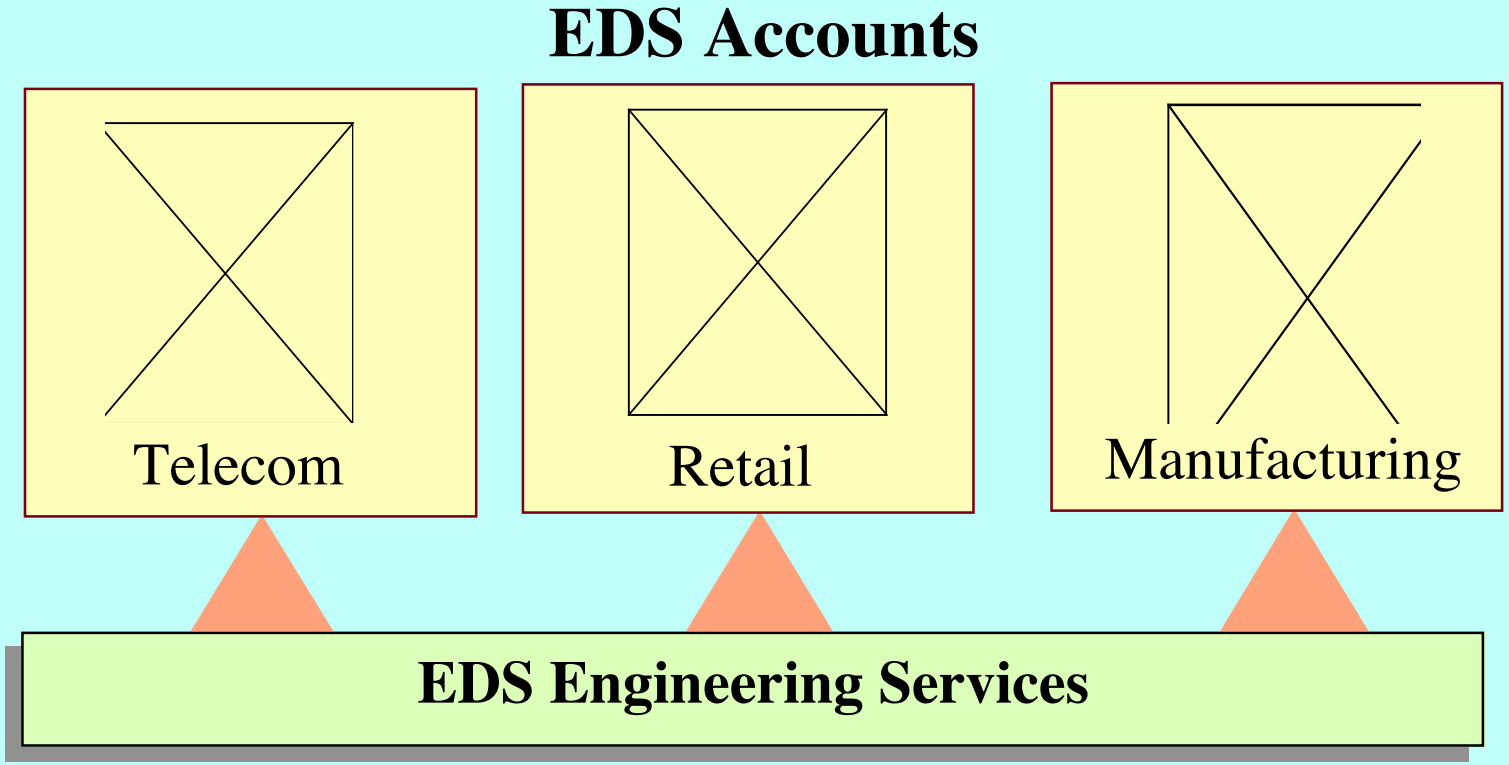


Introduction

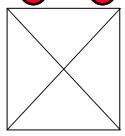
Client Server Technology Services



Introduction

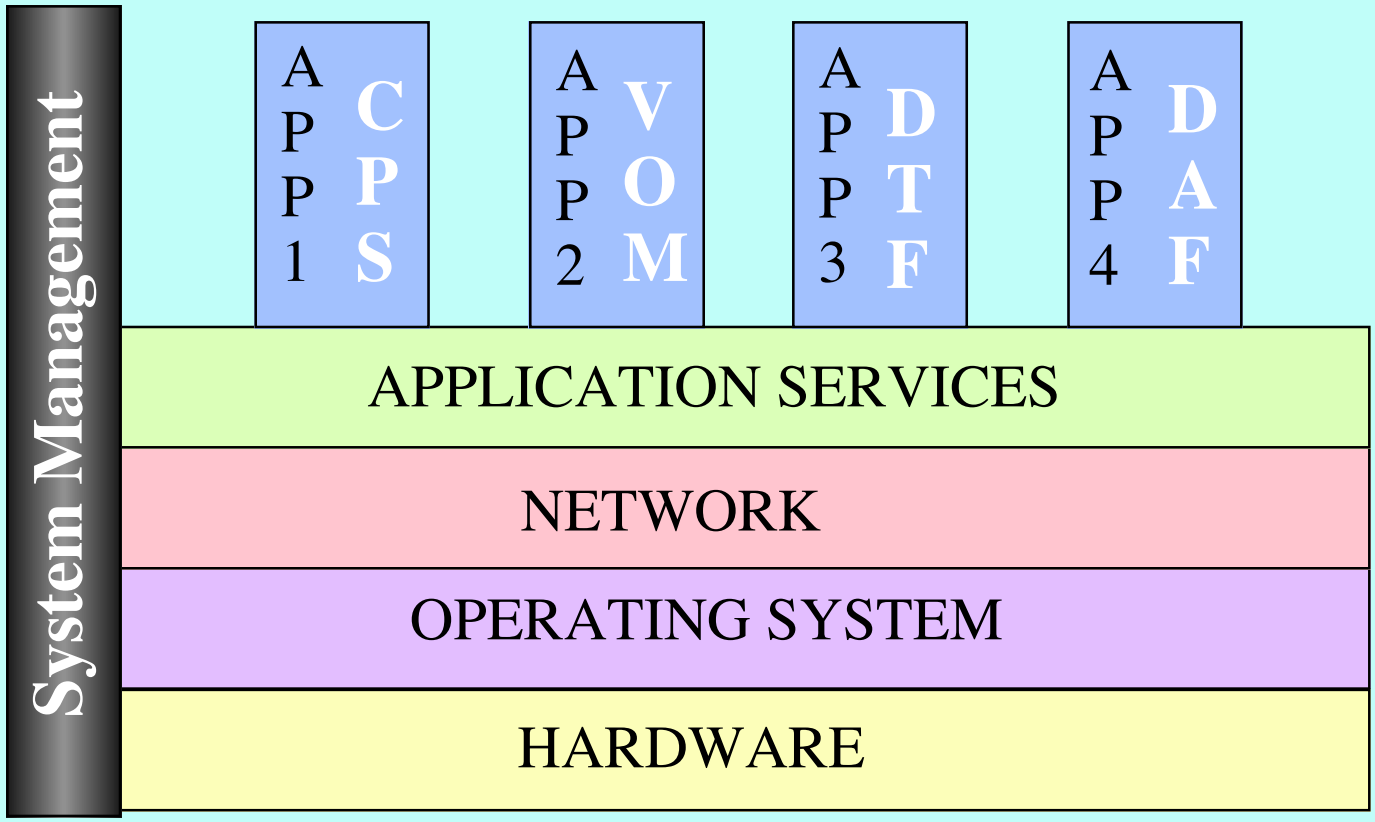
General Motors Common Infrastructure

- **Goals**
- **Process**
- **Services**
- **Management**
- **Applications**
- **Lessons Learned**



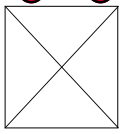
GM Infrastructure

Definition

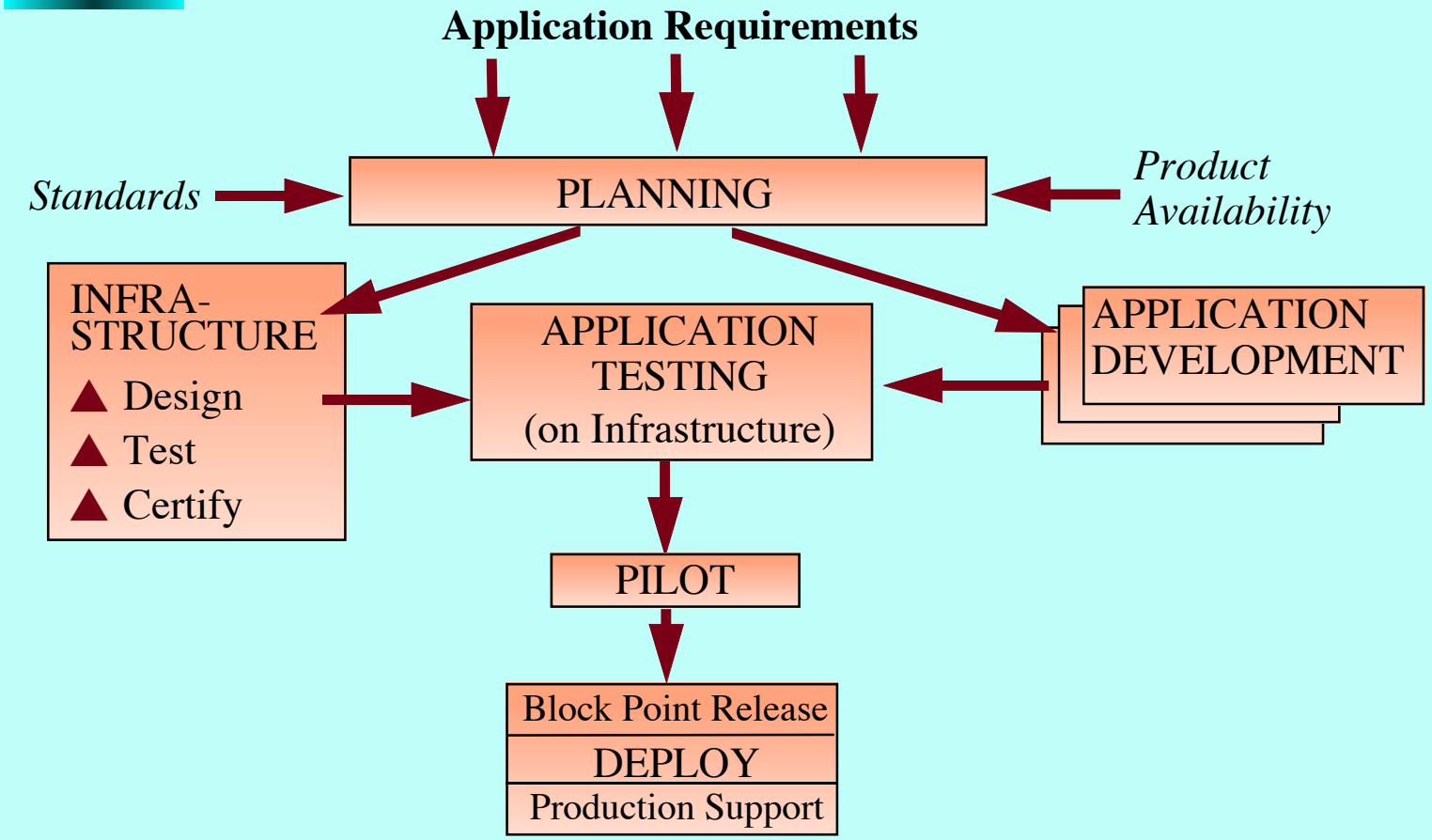


GM Infrastructure
Goals

- Converge engineering, office and plant infrastructure
- Provide common services
- Provide secure environment
- Provide mechanism for orderly migration and upgrade of infrastructure
- Protect infrastructure investment



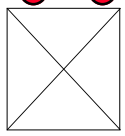
GM Infrastructure Process



GM Infrastructure

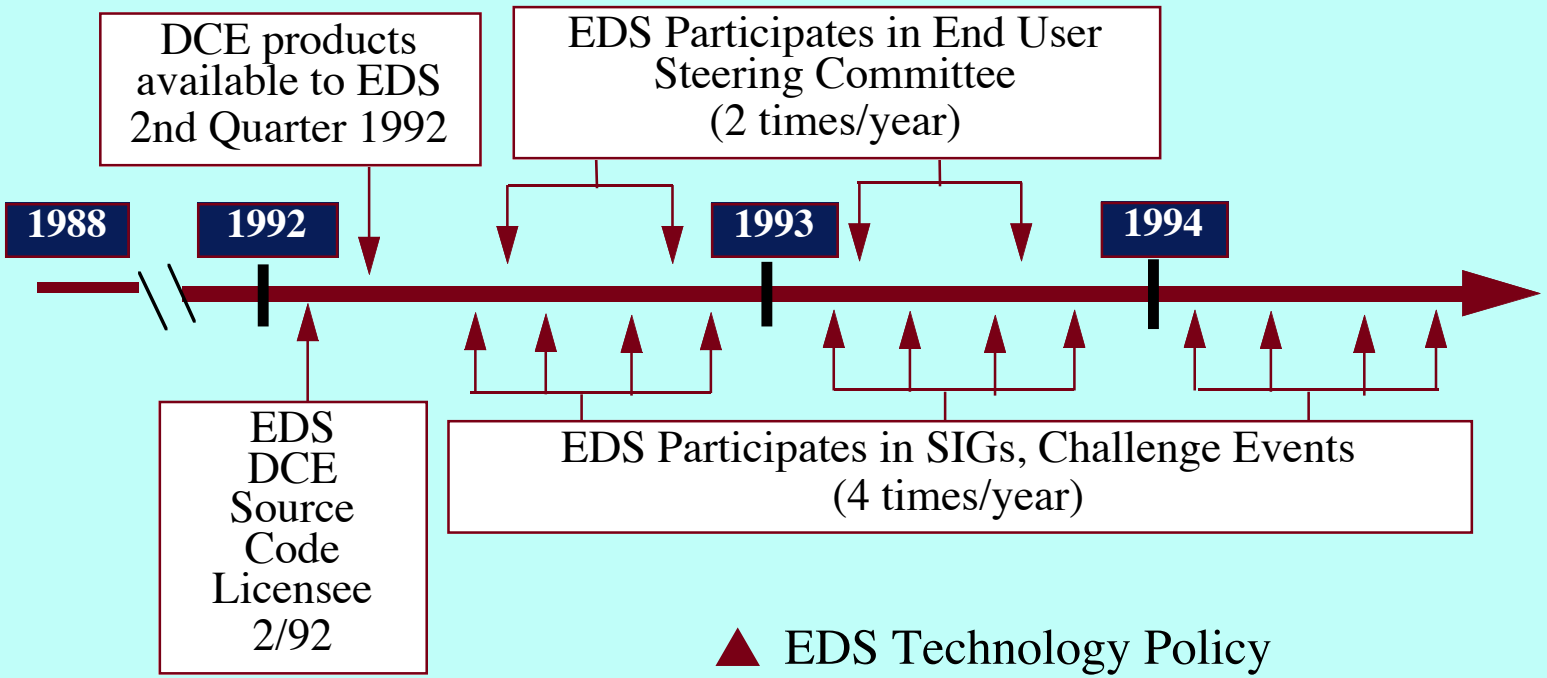
Why DCE?

- **Span engineering, office and plant environments**
- **Integrated and comprehensive tools and services**
- **Secure environment for distributed applications**
- **Distributed client/server, global computing environment**
- **Broad vendor support**



Open Software Foundation

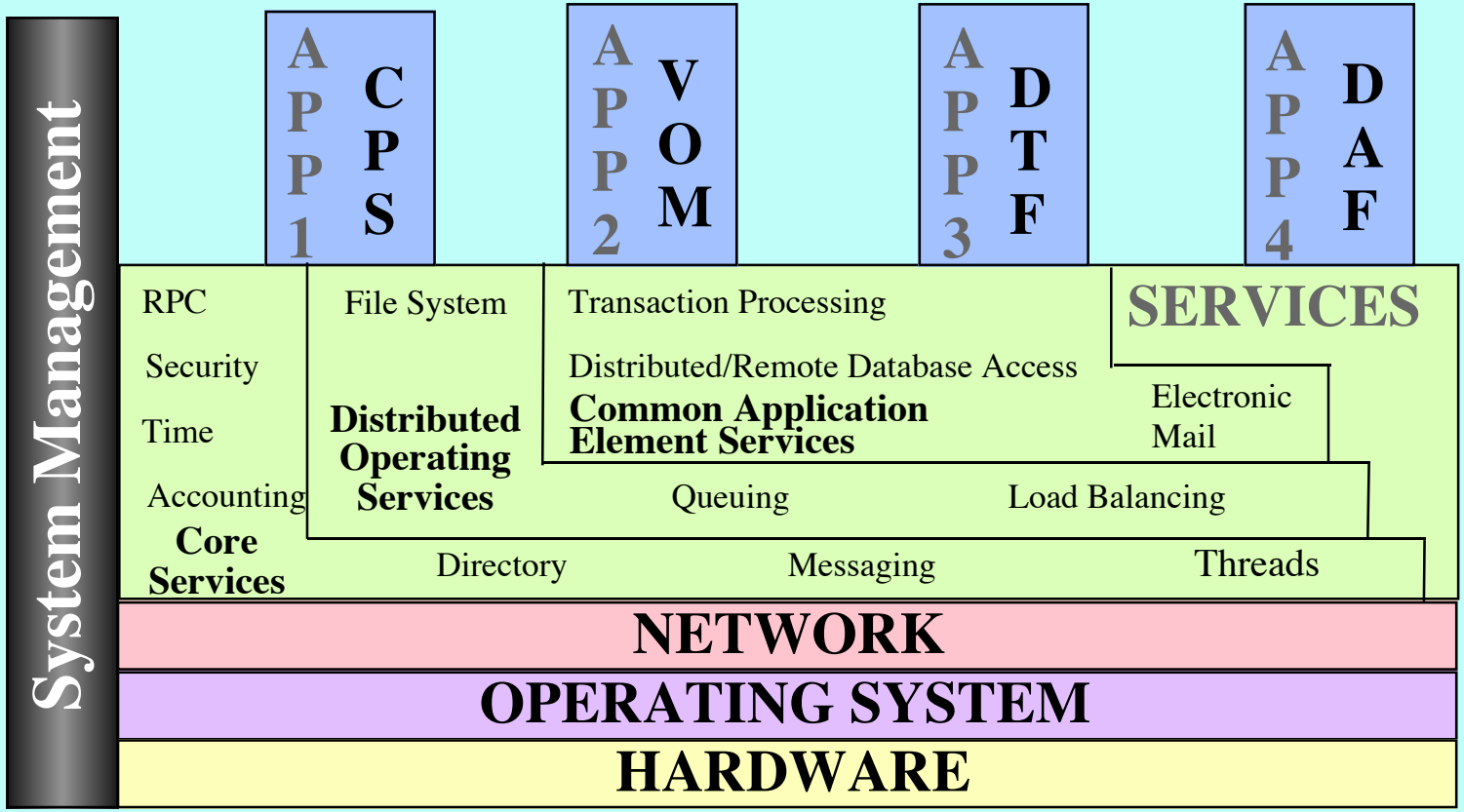
How Is EDS Involved?



- EDS Technology Policy
- Internal Use
- MVS/DCE

GM Infrastructure

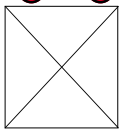
Common Services



GM Infrastructure Management

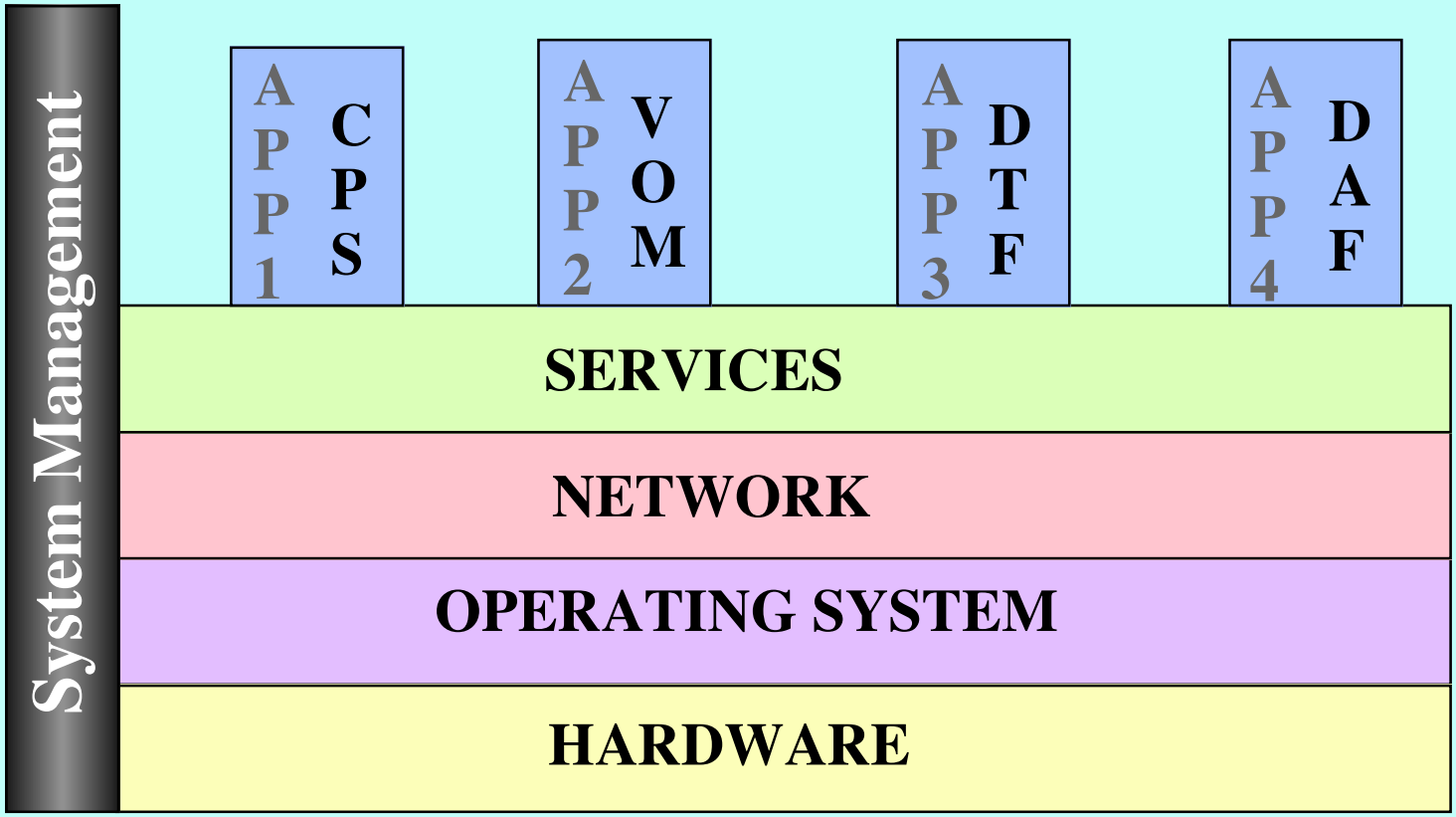
Distributed System Management Centers

- Network Monitoring
- Backup and Restore
- Inventory Management
- Security Management
- DCE Administration
- System Monitoring
- Fault Management
- Resource Administration
- Software Distribution and Installation
- Database Administration



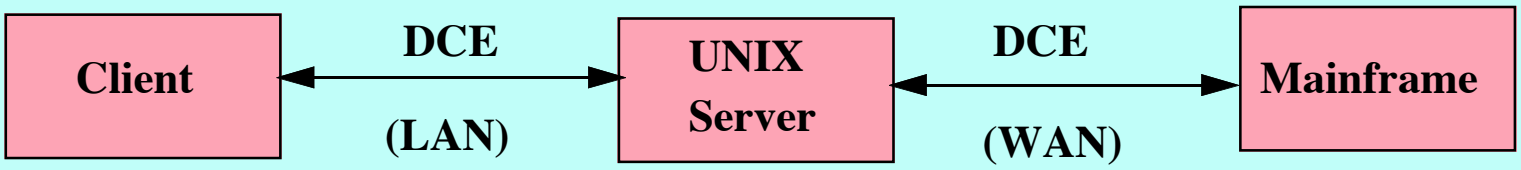
Use of Infrastructure

Applications



Infrastructure Applications

Distributed Translation Facility (DTF)

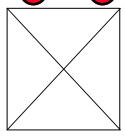


- Automates translation and transfer of geometric, text, and illustrated drawing files
- Provides secure data transmission to mainframe
- Coordinates network login
- Locates remote sites using X.500

Infrastructure Applications

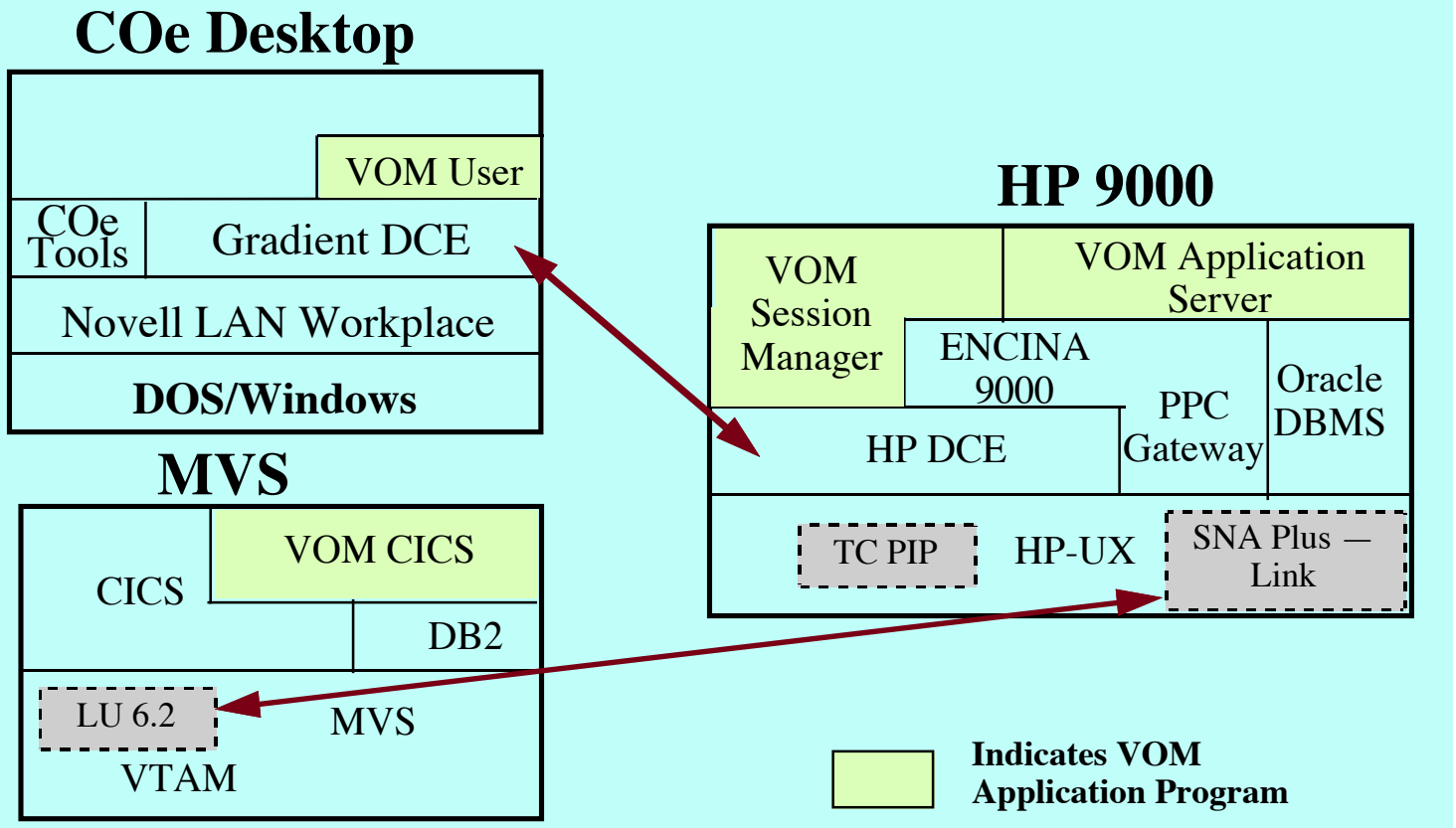
DTF IBM/MVS/DCE

- Early participant of MVS/DCE products since 1992
- Operating Services will deliver MVS 5.1 with Open Edition and DCE in 1995
- Currently identifying operational, management and support issues



Infrastructure Applications

Vehicle Order Management (VOM)



Infrastructure Applications

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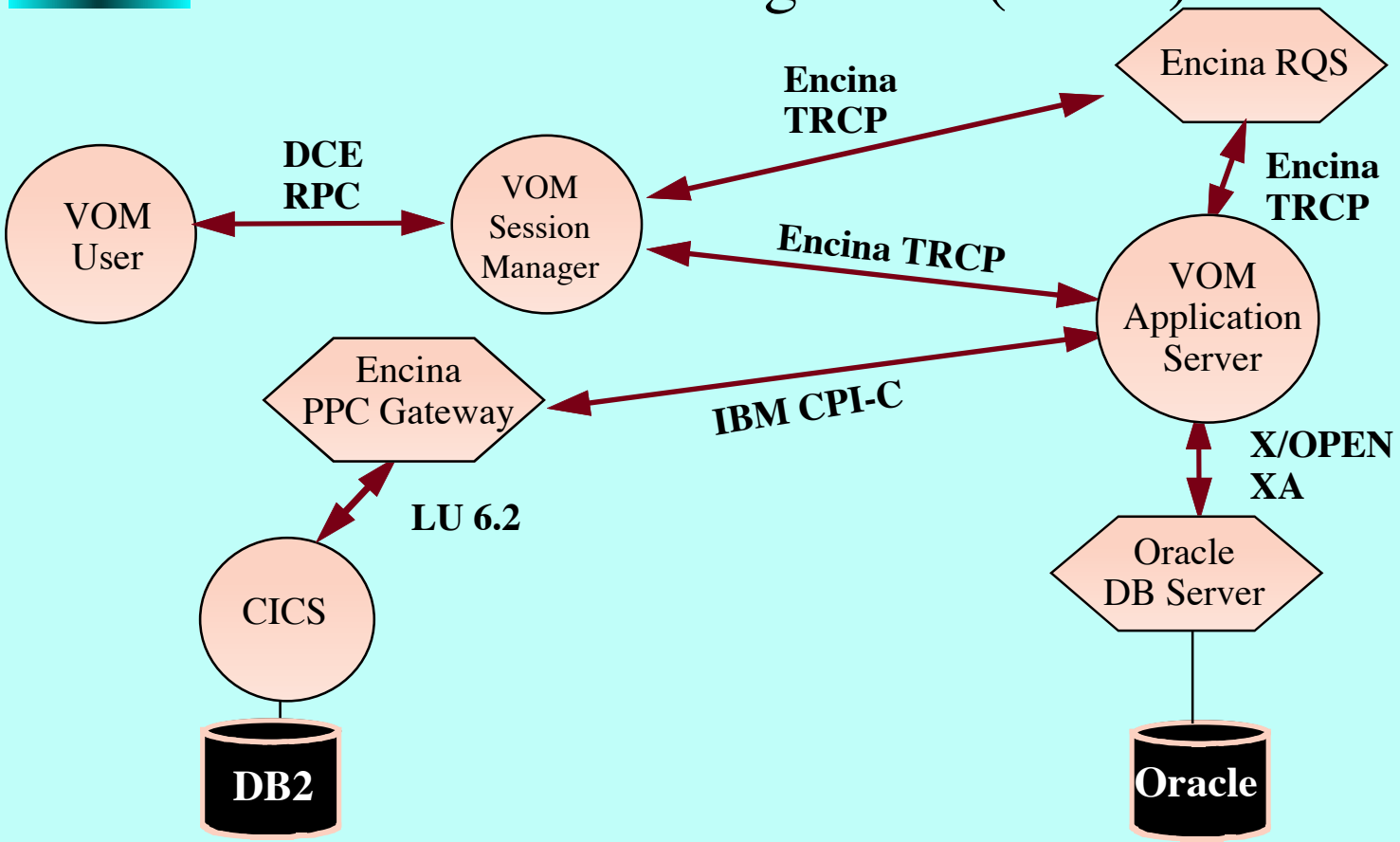
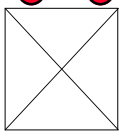


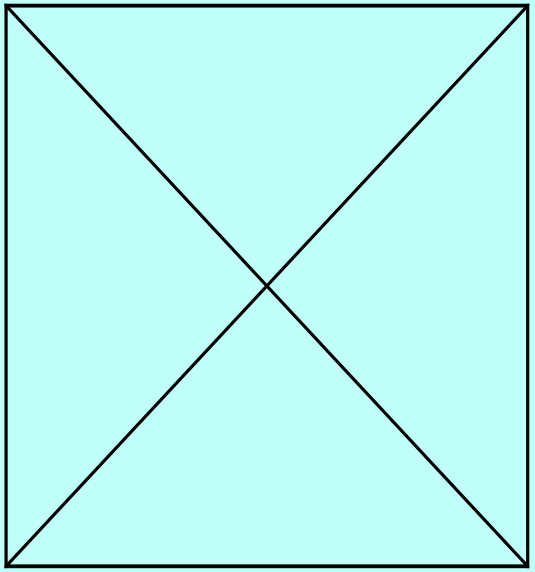
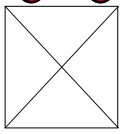
GM Infrastructure

Lessons Learned

- Administration
- Application Teams
- Debugging
- Interoperability
- Policies
- Learning Curve
- Product Release Dates
- Schedules

It is possible





Q & A