IBM

IBM Software Group

TPF Operations Server Updates

Operations and Coverage Subcommittee

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AIM Core and Enterprise Solutions

IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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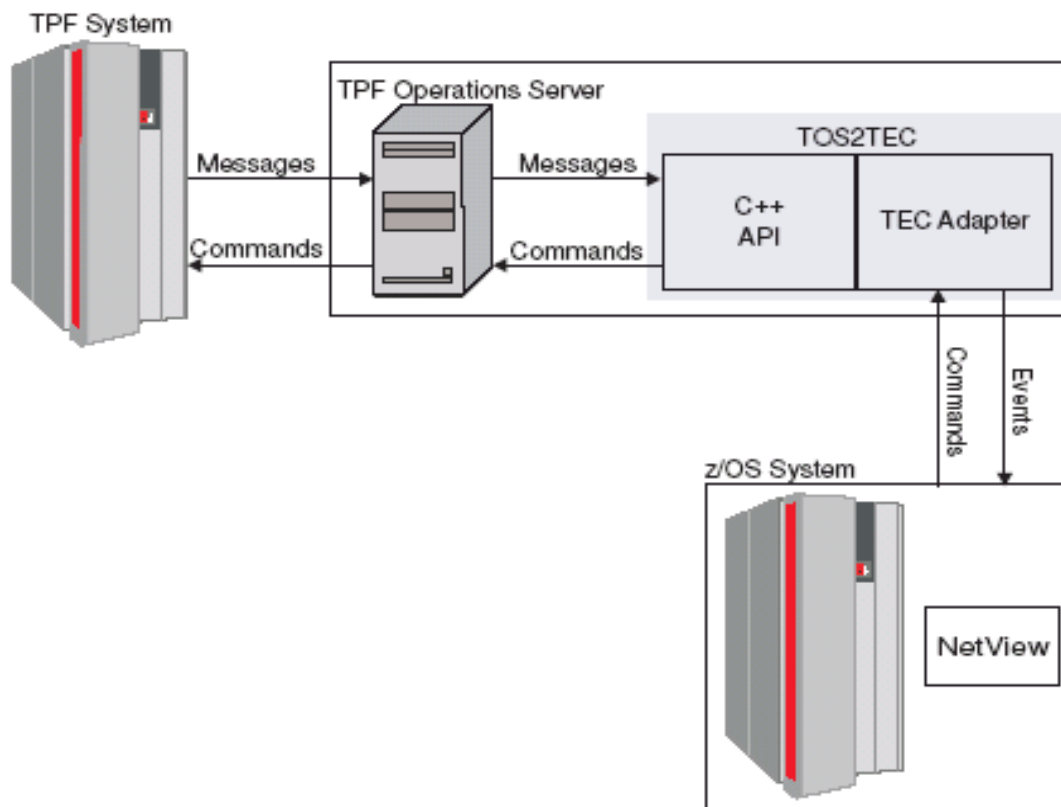
Agenda

- **TPF Operations Server V 1.2.02 released in June**
- **Recent APARs**
- **Planned Enhancements 12/04**
  - **Luminex 3215-01 Card**
  - **Security**
- **EOCF/2 End of Service**
- **Questions**

TPF Operations Server V 1.2.02

- Released in June 2004
  - ► CD refreshed
- Includes interface to Netview
- GUI console command line overwrite mode
- GUI console search enhancements
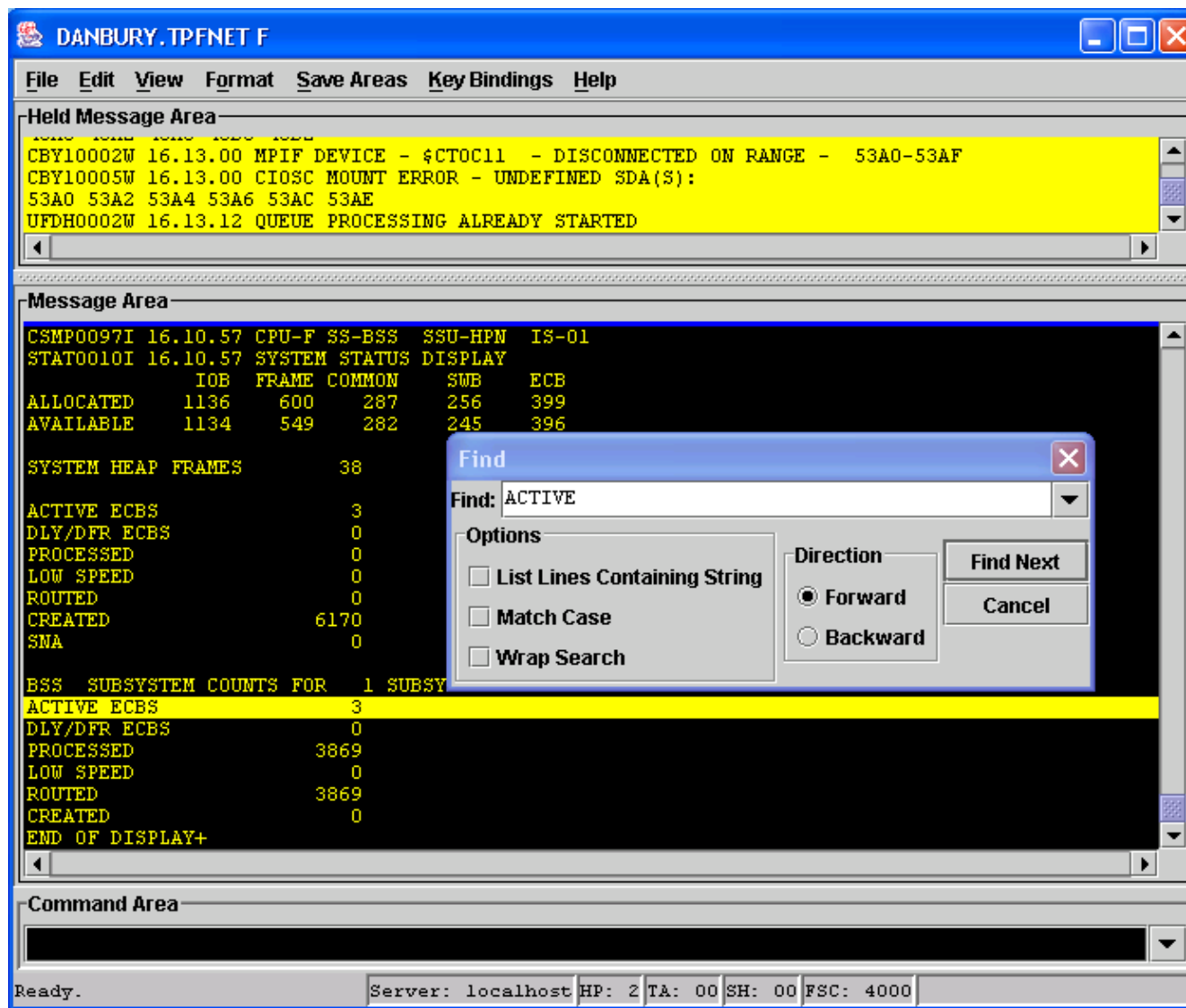- Configuration file support for C++/REXX APIs

Interface to Netview

TPF System

TPF Operations Server

TOS2TEC

Messages

Messages

C++ API | TEC Adapter

Commands

Commands

Commands

Events

z/OS System

NetView

Interface to Netview

- Interfaces sends TEC alerts to Netview
  - ► TOS2TEC client
- TEC Alerts utilize
  - ► Event Automation Services (EAS) of z/OS
  - ► Netview Problem Determination Aid (NPDA)
  - ► Netview Automation Tables
  - ► CLIST/REXX automation programs
  - ► Netview Console
- Rexec used to send commands.
  - ► Rexecd is part of TOS2TEC program.

GUI Console

Configuration files for APIs

- **Application Programming Interfaces**
  - ► C++
    - – unsigned int ETOSClient::Open(char *filename);
  - ► Java
    - – int ETOSClient::Open(String filename);
  - ► REXX
    - – RC = ETOSR_Open(filename)

Recent APARs

- IC40864,IC41693 - Loading filter engines
- IC40780 - Route and Fallback Messages tagged with correct System Name for Dual Connections.
- IC41519 - Installation Upgrade to V 1.2.02
- IC40930,IC40126 - Enhance Numerical Compare Filter Rules
- IC42331 - Log2File filename rollover

New ESCON card Support Planned

- **Luminex 3215-01 card**
  - ► PCI/PCI-X capable
  - ► Short Form Factor
  - ► Compatible with xSeries Servers
  - ► Planned Availability - December 2004
  - ► Card purchased directly from Luminex
- **9663-001 End of Marketing planned 12/31/04**
  - ► End of Service planned in 5 years
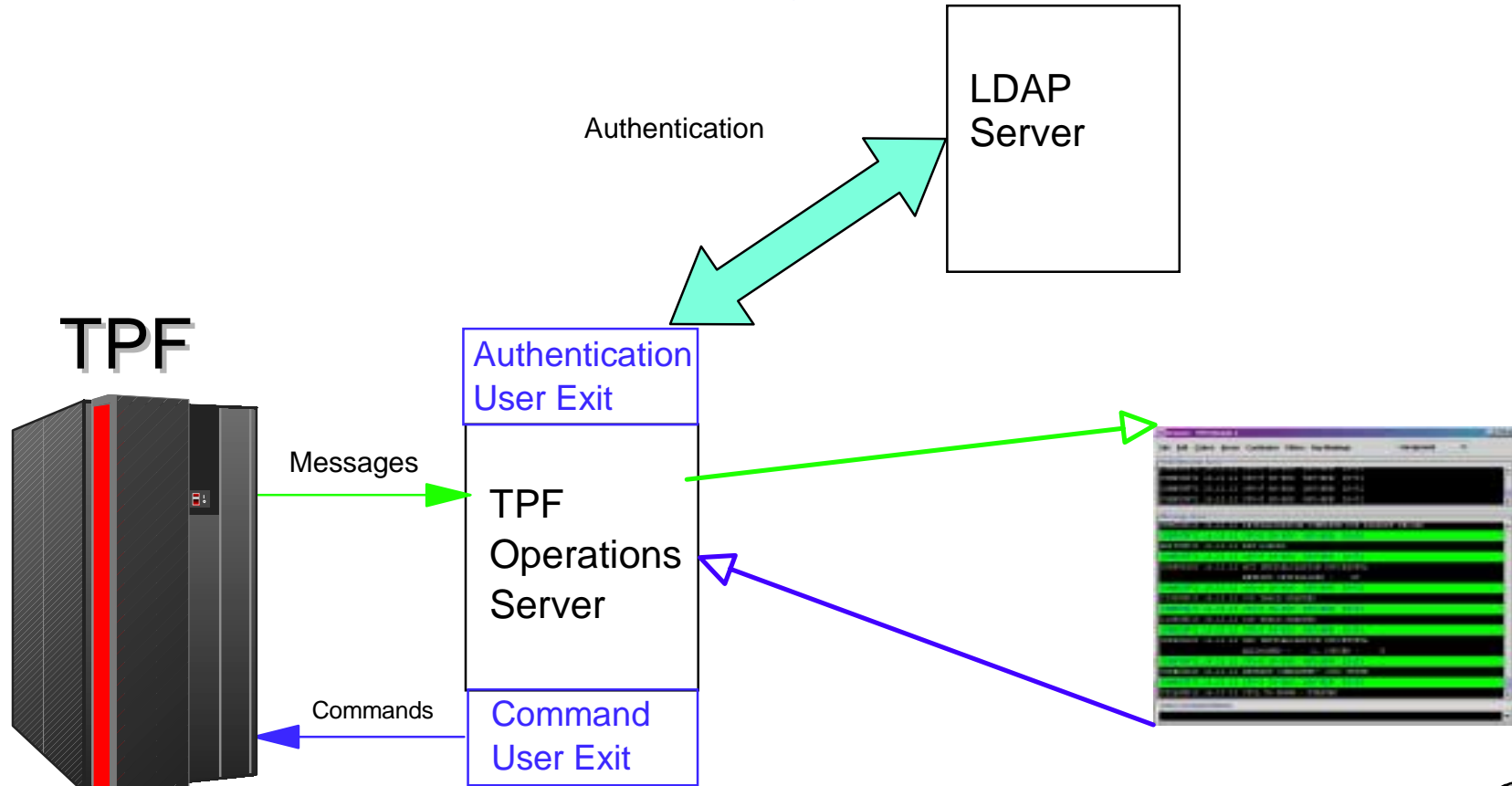
Supported features

- Server Host Configuration (HOSTCFG.DAT)
  - ► Host Interface   LX3215
  - ► Delay for ATTN's   3000
  - ► Adapter Number   1
  - ► Max. Input Delay   12000
  - ► Subchannel Index   0
  - ► MCS Identifier   `
- ESCON (CHAN.CONF)
  - ► EMIF
  - ► Directors

New TPF Operations Server Security Features

- Client session security
  - ► Authentication User Exit
  - ► Allow connection to existing authentication services
    - Intranet passwords/single signon
    - LDAP
  - ► Timeout option
- Command security
  - ► Server Command User Exit
- Data Security
  - ► Encryption/Decryption User Exit
  - ► Messages and commands
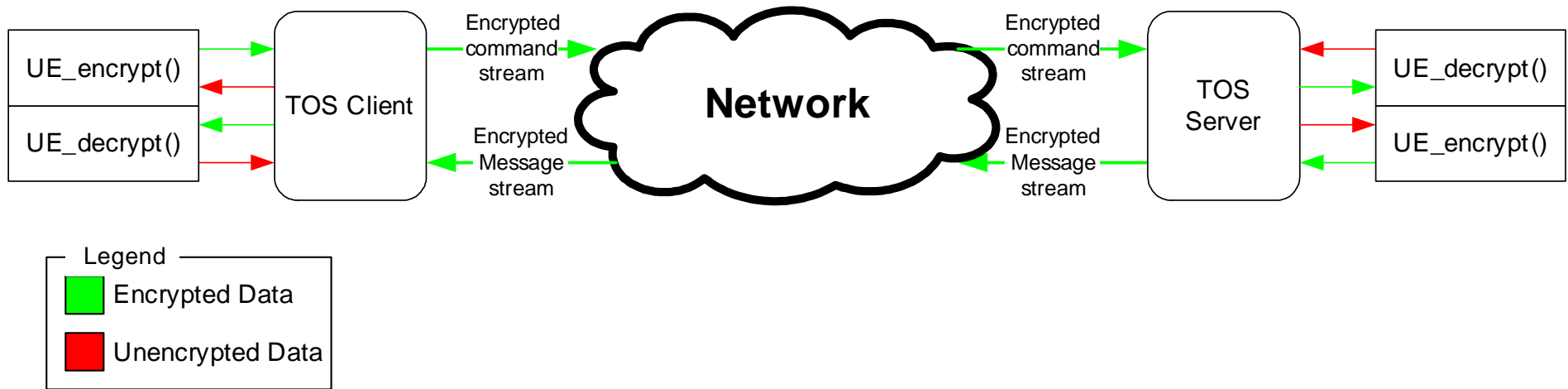
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Session and Command Security

LDAP
Server

Authentication

TPF

Authentication
User Exit

Messages

TPF
Operations
Server

Commands

Command
User Exit

TPF Messages

Operator Commands &
Authenication request (login)

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Encryption/Decryption option

Legend
- 🟩 Encrypted Data
- 🟥 Unencrypted Data

Diagram elements: UE_encrypt(), UE_decrypt() → TOS Client → Encrypted command stream / Encrypted Message stream → Network → Encrypted command stream / Encrypted Message stream → TOS Server → UE_decrypt(), UE_encrypt()

TPF Operations Server Service Deliveries

- Yearly CD-ROM refreshes planned
  - ► TPF Operations Server Version 1.2.02 delivered June '04
- Individual APARs available on the Web
  - ► TPF -> SUPPORT -> MAINTENANCE
  - ► http://www.ibm.com/tpf/pages/maint.htm
  - ► APARs listed in the order closed
  - ► Unzip package and run TOSAPAR.BAT to apply.
- Patch file containing all the latest closed APARs to be available
  - ► TOS_PATCHyyyymmdd.ZIP
    - – Stop all TPF Operations Server programs on the workstation (including automation programs).
    - – Extract and run TOS_Patch.BAT
    - – Use with code delivery applications.

EOCF/2 Information

- **End of service - September 30, 2004**
- Contact IBM representative for migrating to the TPF Operations Server
  - ► See previous TPF Users Group presentations.

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TPF Operations Server

- Questions

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