Cisco Tidal Enterprise Scheduler – part #3

TES Engineering 7.13.2012

Rev 2.0

Agenda

Agenda

- Engineering Sessions

  - Deliver a series of engineering sessions

    - Technical/architectural changes with TES6
      https://cisco.webex.com/ciscosales/lsr.php?AT=pb&SP=MC&rID=61839917&rKey=3ede6dbb6ecfead2

    - Upgrade process – primary focus at high level, not step by step

    - Performance optimization for TES 6
      https://cisco.webex.com/ciscosales/lsr.php?AT=pb&SP=MC&rID=61931757&rKey=000ac3c0da12377f

    - Brief re-cap of TES 5/6 architectural delta

    - Topics

      - Feature function: Security Policy Granularity in TES 6

      - Feature function: Using the new TES REST API

      - Master performance: Using Jconsole to inspect the master

  - Aim for an interactive session – Chat questions to the moderator and panelist will review and elaborate as appropriate.

  - Dedicate 50% of the time for Q/A

TES 6.x Release Schedule

Cisco TES Releases
(*Subject to Change)

hadoop

*6.1
Self-Service
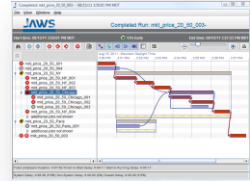Big Data / Hadoop
Cloud Agents/Storage
Mobile Client

6.0.3
REST Adapter
Job-Based Timezones
Resource Constraints

JAWS for Cisco® TES

Predictive Analytics
Historical Analytics

6.0.2
JDBC
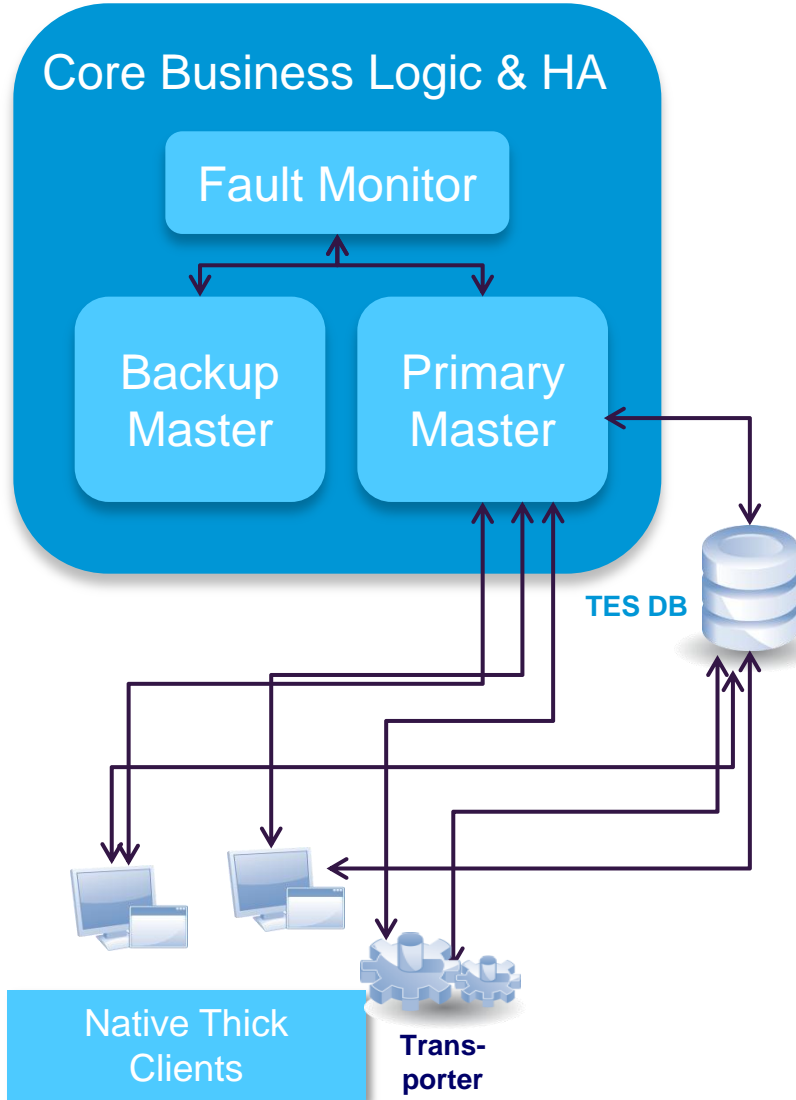VMware
JDE

6.0.1
BO
PSFT
COGNOS
Informatica

6.0
Web based client
SOAP/REST API, Agentless Scheduling, JMS,
FTP, SFTP, SAP, EBSO, Oracle DB, MS SQL, etc.
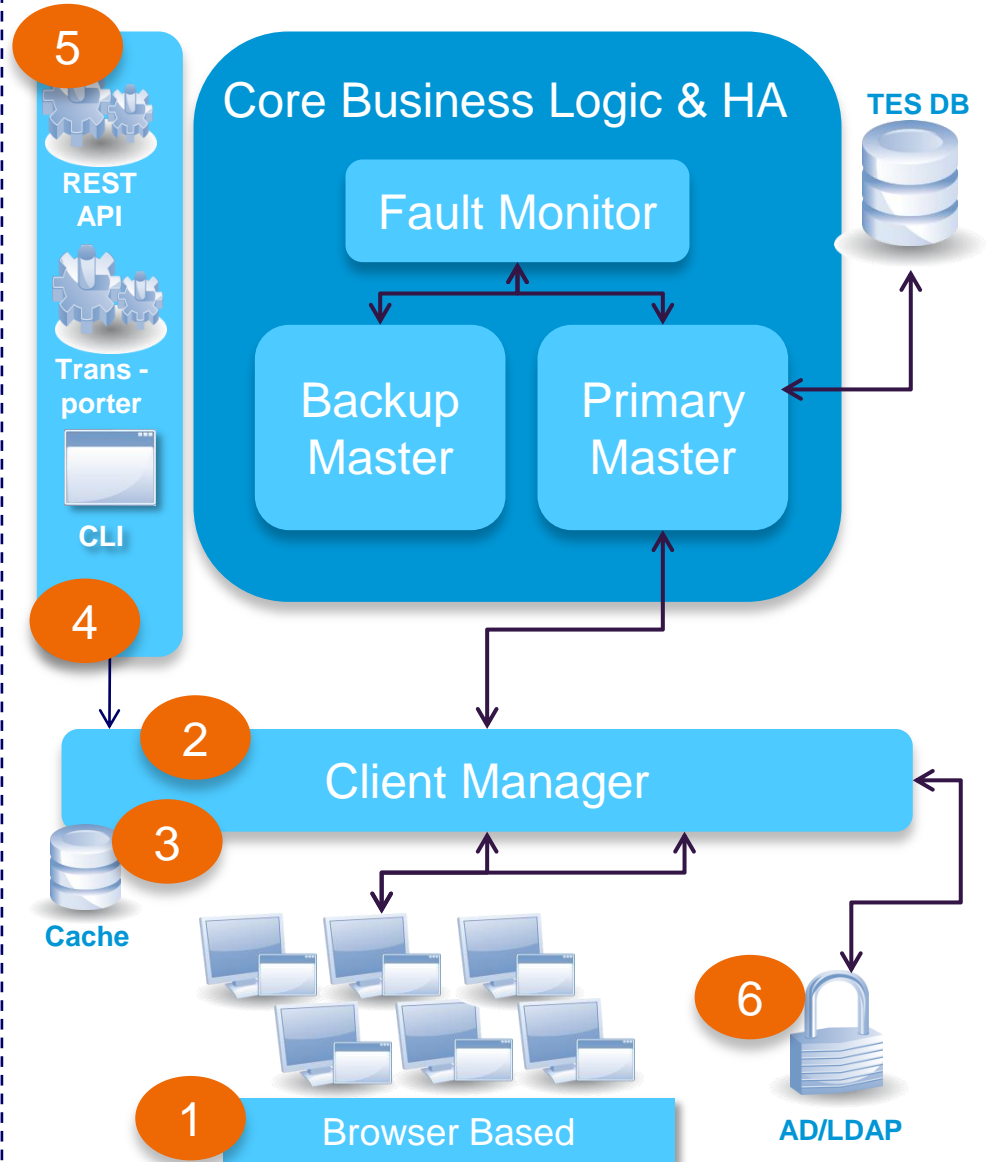
Note: Bridge-based adapters supported

| Dec 2010 | Apr 2011 | Sept 2011 | March 2012 | Q3CY2012 |

Mini Recap on TES 6 architectural delta

TES 5.3.1

TES 6

Core Business Logic & HA

Fault Monitor

Backup Master

Primary Master

TES DB

Native Thick Clients

Trans-porter

5

REST API

Trans-porter

CLI

4

Core Business Logic & HA

Fault Monitor

Backup Master

Primary Master

TES DB

2

Client Manager

3

Cache
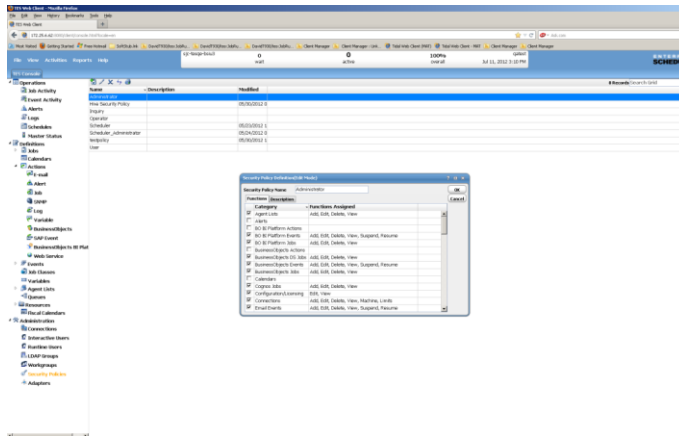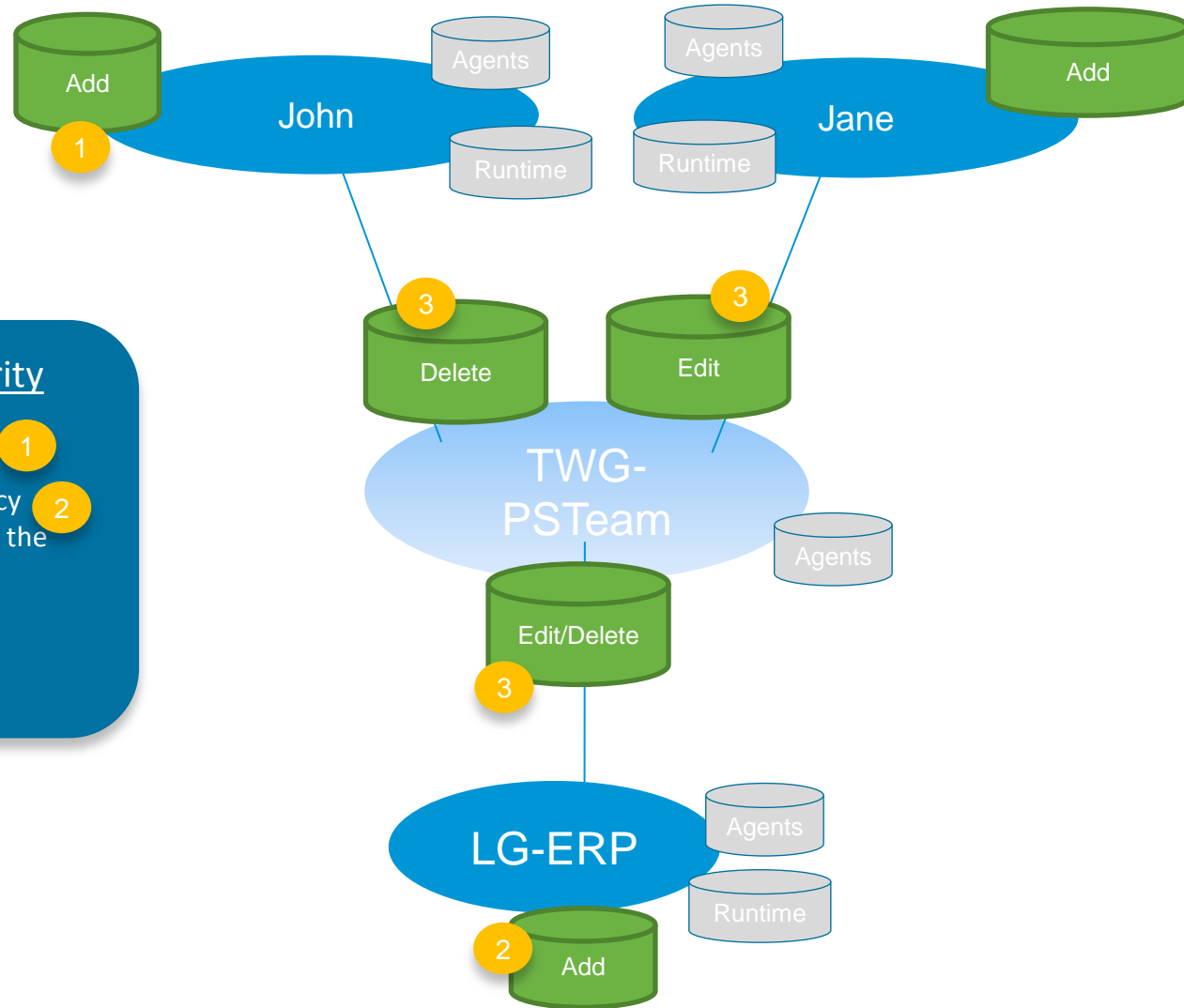
1 Browser Based

6

AD/LDAP

New feature/function

TES6 offers more granular control options

- Last week we discuss how run time users are derived during job definition

- This week we will talk about how you can get more granular on user rights via the use of TES security policies
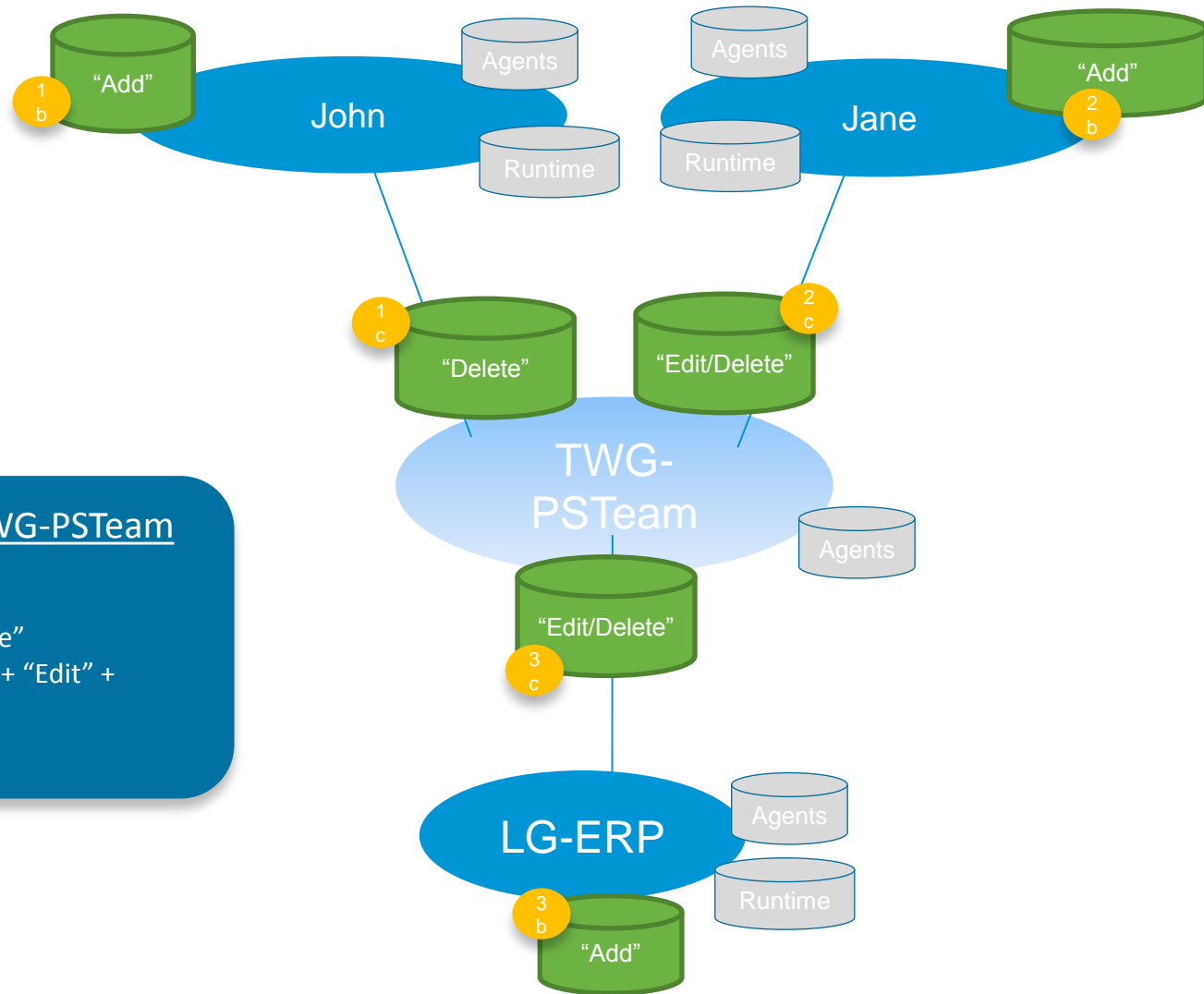
TES 6 – Security Policy Assignments

TES 6 offers more granularity

- TES users can have a security policy ①
- LDAP groups can have a security policy ②
- TES 6 allows you to expand/augment the rights as the user is joined to a TES workgroup ③
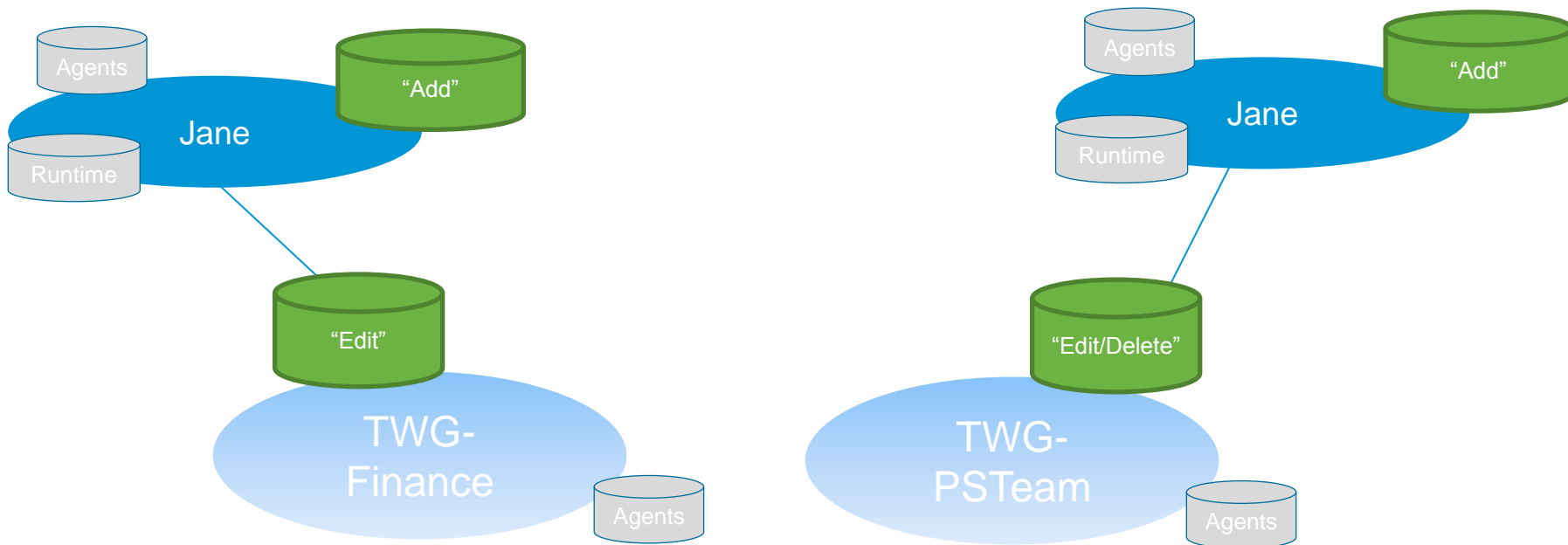
TES 6 – Example #1

For objects owned by TWG-PSTeam

- John has "Add" + "Delete"
- Jane has "Add" + "Edit" + "Delete"
- Members of LG-ERP have "Add" + "Edit" + "Delete"

TES 6 – Example #2

Users can have memberships with different security policy assignments

- For objects owned by TWG-Finance, Jane has "Add" + "Edit"
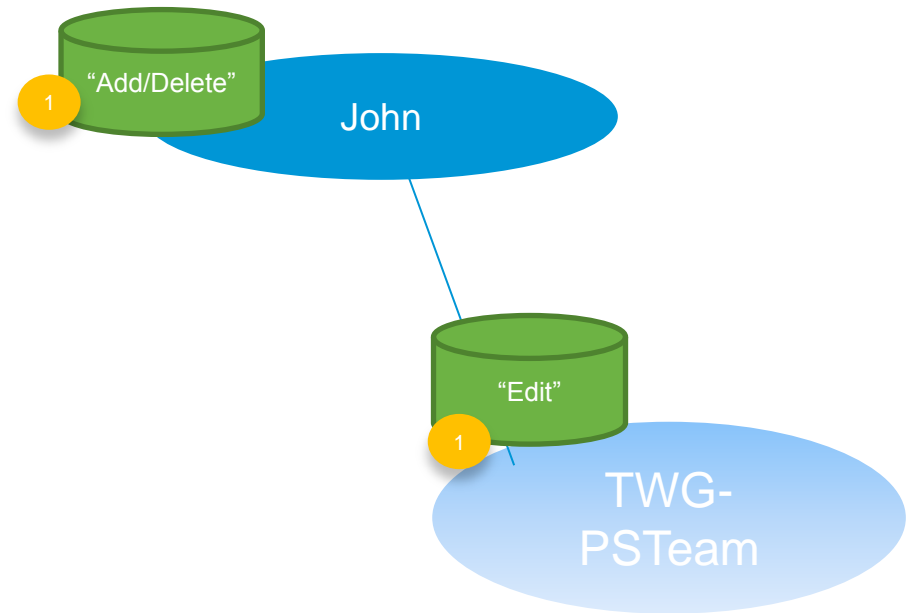- For objects owned by TWG-PSTeam, Jane has "Add" + "Edit" + "Delete"

Agents

"Add"

Jane

Runtime

"Edit"

TWG-Finance

Agents

Agents

"Add"

Jane

Runtime

"Edit/Delete"

TWG-PSTeam

Agents

TES 6 – Example #3

"Add/Delete" (1)

John

"Edit" (1)

TWG-PSTeam

What happens if the user has "more" rights as an individual user???

For objects owned by TWG-PSTeam

- John has "add" + "delete" + "edit" (1)
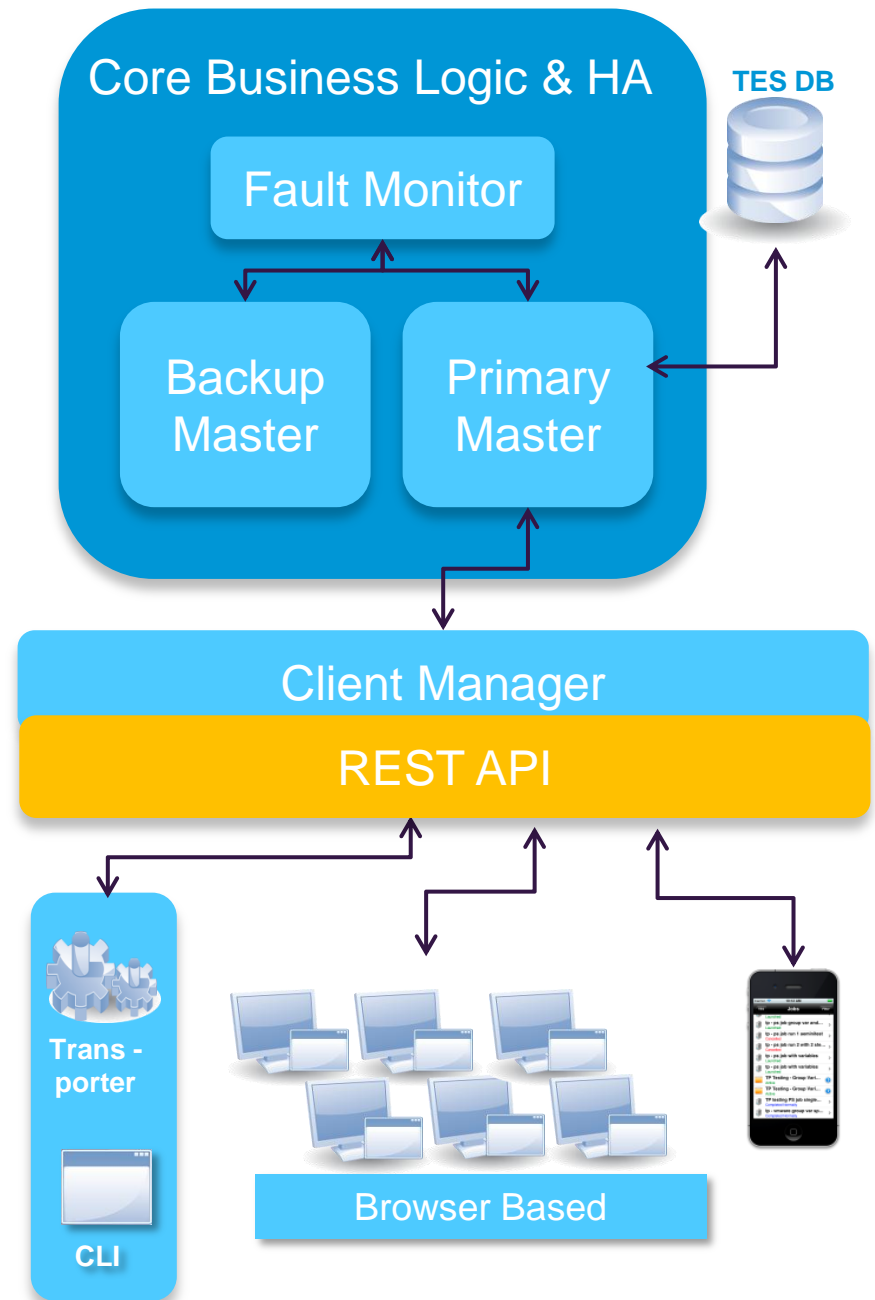
TES 6 – Final point

- Points to keep in mind:
    - A user rights are "augmented/extended" when a security policy is assigned when they become members of workgroups
    - A user doesn't lose their assigned rights

Using the new TES 6 REST API

REST API

- TES API is used extensively by TES components, such as the Web Client, CLI, Transporter and the future mobile client.

Lets see a demo of how to use the API

Using Jconsole to monitor the TES master

Lets see a demo of how to use JConsole