Introduction to Interstage Application Server Plus V5.0.1
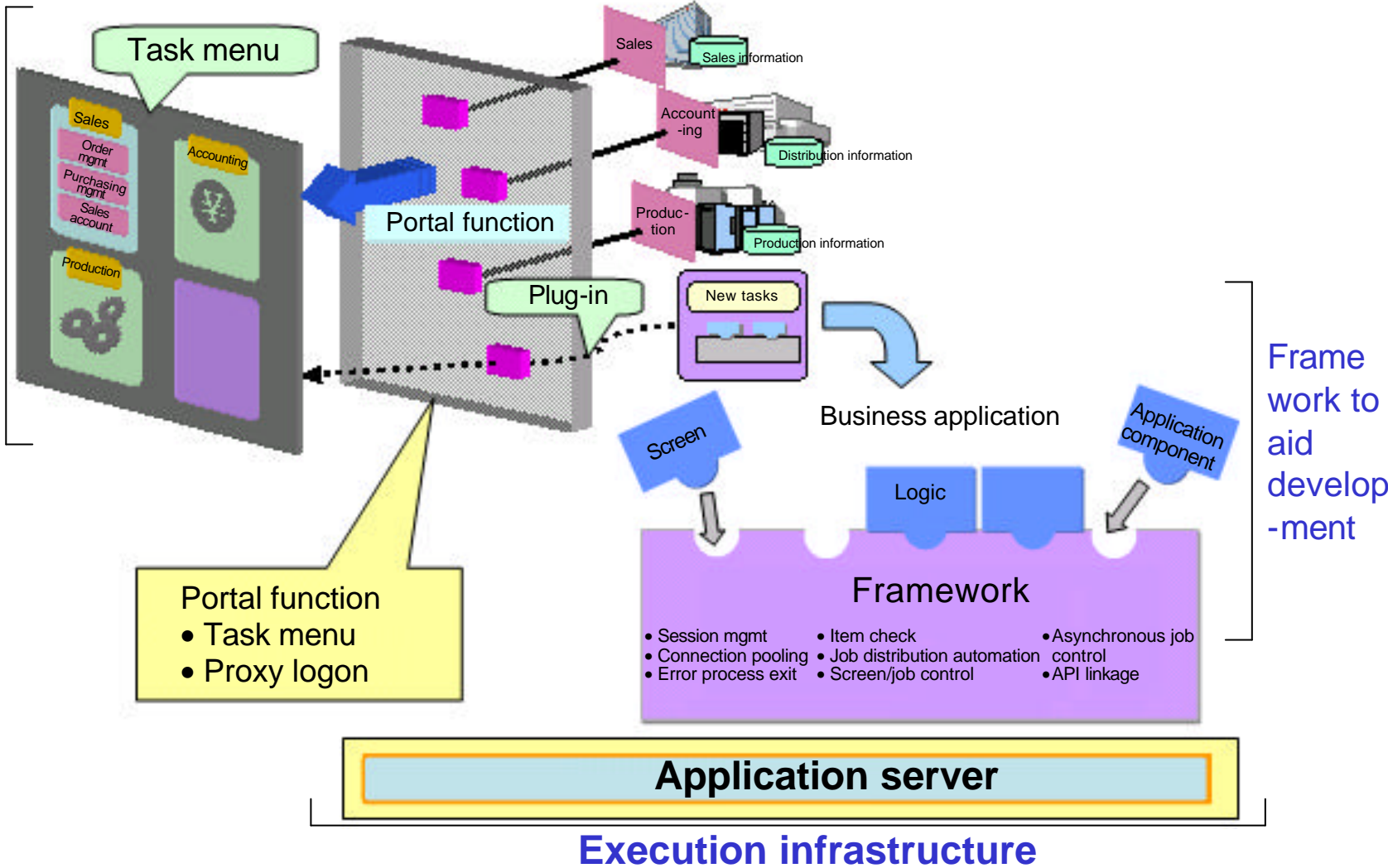
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Fujitsu Limited

What is Interstage Application Server Plus?

❖ Interstage Application Server Plus is an application server product that simplifies a range of operations, from the creation of task menus through to the development of business applications, and shortens the time needed to construct enterprise systems.

Speedy system construction

Task menu creation and operation

Business application development and debugging

Interstage Application Server Plus Developer

Interstage Application Server Plus

Simple operations

Stable system operation

One-stop setup

Overview of Interstage Application Server Plus

Easy-to-use Portal function

Task menu

Sales
- Order mgmt
- Purchasing mgmt
- Sales account

Accounting

Production

Portal function

Plug-in

Sales → Sales information

Account-ing → Distribution information

Produc-tion → Production information

New tasks

Business application

Screen

Logic

Application component

Framework

- Session mgmt
- Connection pooling
- Error process exit
- Item check
- Job distribution automation
- Screen/job control
- Asynchronous job control
- API linkage

Frame work to aid develop-ment

Portal function
- Task menu
- Proxy logon

Application server

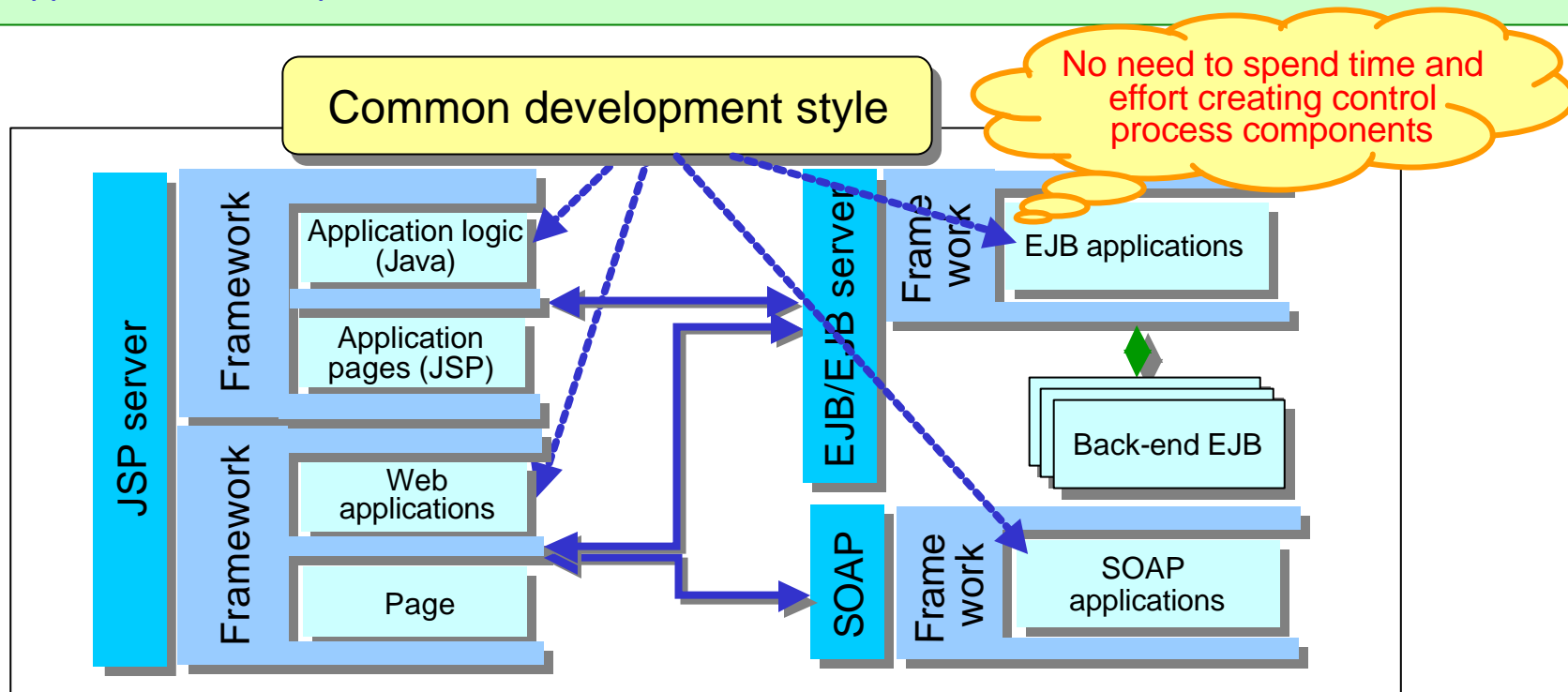**Execution infrastructure**

Strengths of Interstage Application Server Plus

- <u>Productivity improvements and stable operation achieved through the use of a framework</u>

- <u>Integration and personalization of existing business Web pages</u>

- <u>Autonomous functions for improved stability</u>
    - ◆ Detection of and automatic recovery from business application errors
    - ◆ Error localization through management of resources for each business application
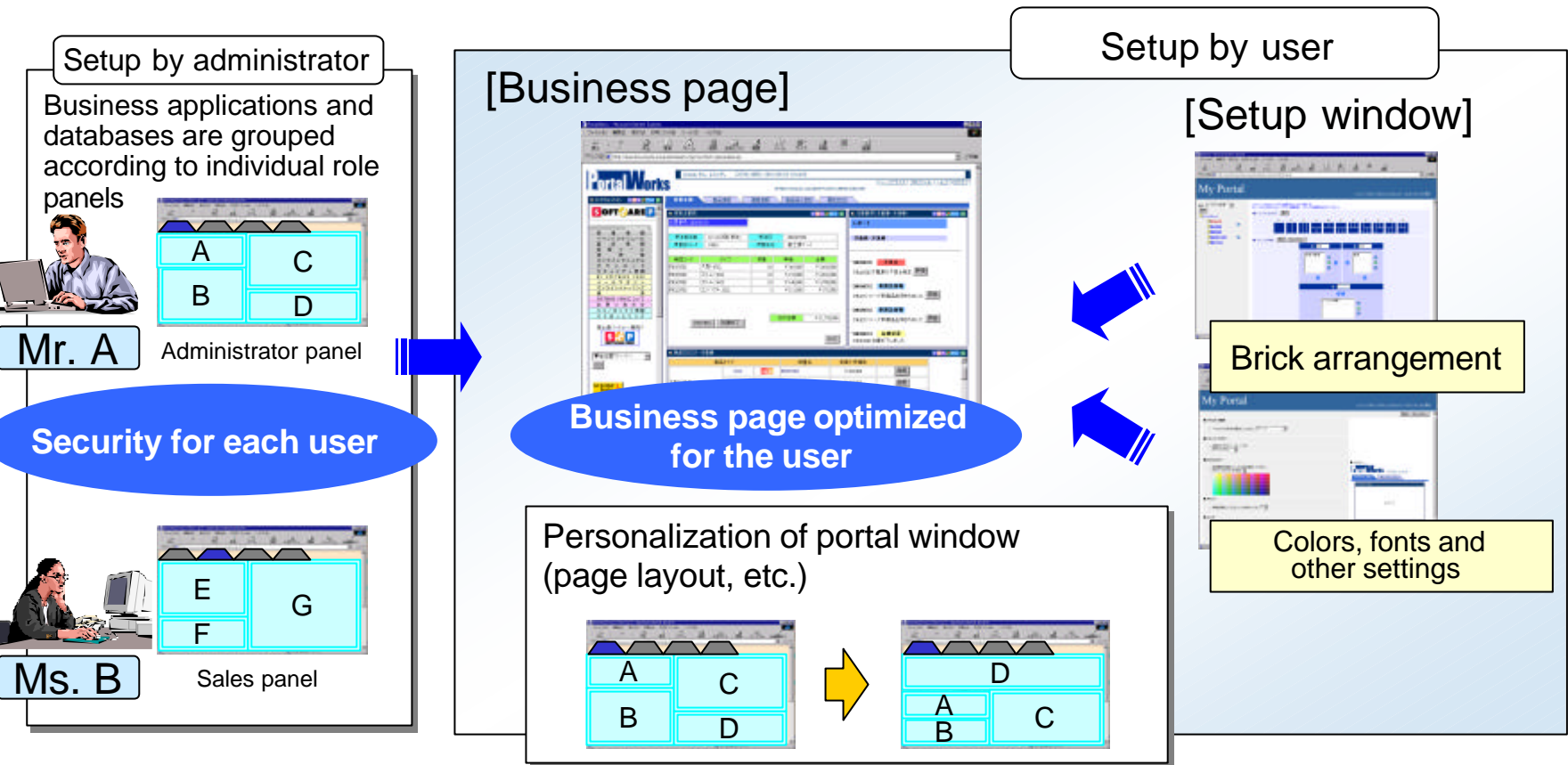
Productivity improvements and stable operation achieved through the use of a framework

■ Web applications, EJB applications and Web service applications can be developed using a common style.
  → The use of a common style during development improves productivity.
  → Program structure is standardized, which leads to quality improvements.
■ The large number of ready-made control process components removes the need to create new ones.
  → Development workloads are reduced because it is only necessary to develop business processes.
  → The quality of control process components is guaranteed, so the quality of developed applications also improves.

Common development style

No need to spend time and effort creating control process components

JSP server

Framework
- Application logic (Java)
- Application pages (JSP)

Framework
- Web applications
- Page

EJB/EJB server

Framework
- EJB applications

Back-end EJB

SOAP

Framework
- SOAP applications
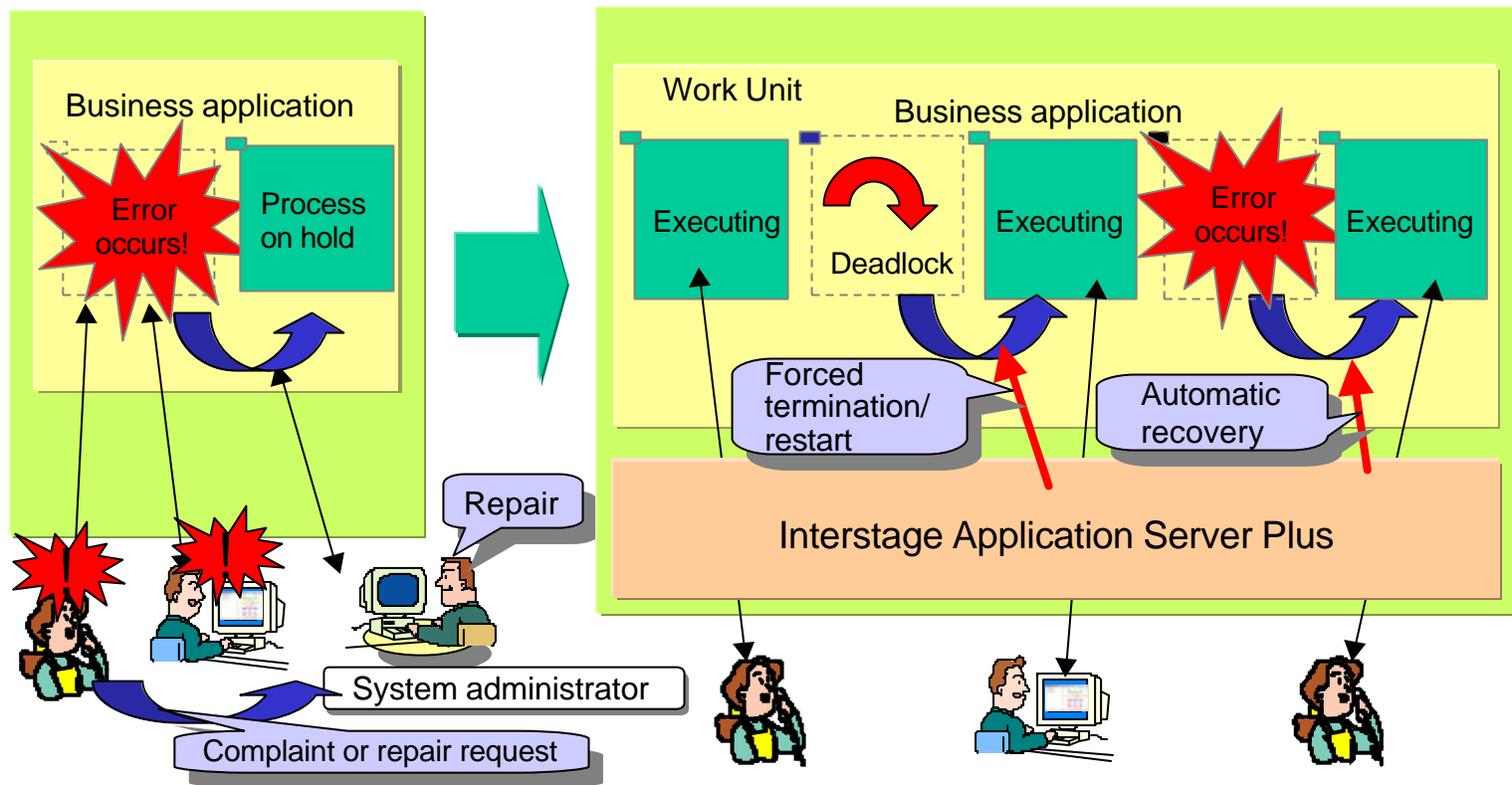
Integration and personalization of existing business Web pages

- Integrates the Web pages of a variety of existing enterprise systems.
- Enables pages to be personalized for individual users.

Setup by administrator

Business applications and databases are grouped according to individual role panels

| A | C |
| B | D |

Mr. A — Administrator panel

Security for each user

| E | G |
| F | |

Ms. B — Sales panel

[Business page]

Business page optimized for the user

Personalization of portal window (page layout, etc.)

| A | C |
| B | D |

→

D	
A	C
B	

Setup by user

[Setup window]

Brick arrangement

Colors, fonts and other settings

- Information is obtained from multiple enterprise systems with a single click.
- Business pages can be personalized with ease.
- The service can be operational in 3 days, and can be progressively expanded without halting operations.
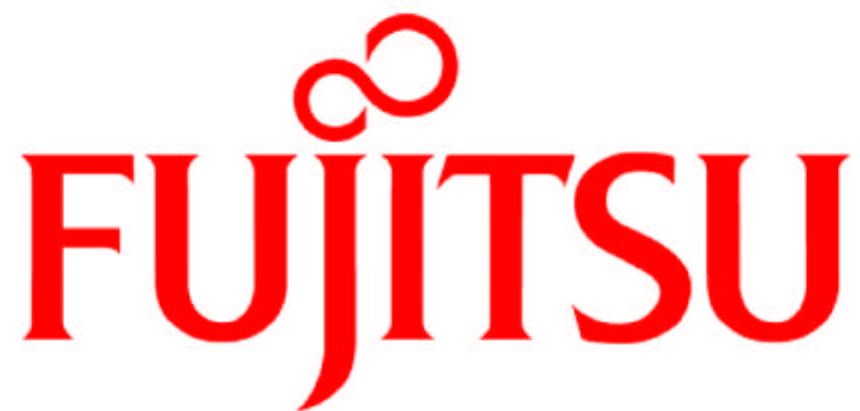
Autonomous functions for improved stability

■ **Detection of and automatic recovery from business application errors**
Business application errors (ABENDs, loops, deadlocks, etc.) are detected early and recovery is automatic. Client requests can continue to be received even during the recovery process.

■ **Error localization through management of resources for each business application**
Resources can be obtained beforehand for each business application and then reused. By controlling the resources used by each business application, it is possible to prevent other business applications from running short of resources.

Business application

Error occurs! Process on hold

Repair

System administrator

Complaint or repair request

Work Unit

Business application

Executing   Deadlock   Executing   Error occurs!   Executing

Forced termination/ restart

Automatic recovery

Interstage Application Server Plus

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THE POSSIBILITIES ARE INFINITE