

# CONTROL-M Enterprise Job Scheduling Implementation in disparate environment

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# ING Services profile



ING Services Poland is a part of  
ING Group

OS and Application hosting vs. SLA

2 Datacenters – Production and  
Backup

Serving the ING Group members in:  
Netherlands, Poland, Germany,  
Bulgaria, Hungary

Maintaining all types of  
OS/Databases/Applications used by  
ING Group

- ▶ OS400
- ▶ AIX
- ▶ Solaris
- ▶ HP-UX
- ▶ Windows Servers
- ▶ DB2
- ▶ Oracle
- ▶ MSSQL
- ▶ Informix
- ▶ Tuxedo
- ▶ Legato Backup
- ▶ **Disaster Recovery**





# Environment

- ▶ Control-M controls jobs of:  
iSeries / Unix / Windows / Crontab / FTP / Databases / Reporting  
type
- ▶ Control-M was implemented 12 months ago
- ▶ Already 800 jobs run on control of Control-M every Day
- ▶ 2000 definitions of Control-M jobs on place to support  
Disaster Recovery process

# Gains

- ▶ 800 jobs run automatically instead of manually (next to be implemented)
- ▶ One central point of all workflows management in Enterprise
- ▶ Central point of access (LDAP, SSH, Windows or Web GUI)
  - Reporting of jobs execution is done with no additional effort
  - Workflow definition Versioning
  - DEV, TEST, QA, PROD env. – managed in Control-M
  - Workflow execution analysis and reporting
  - All sorts of notifications: Alert, e-mail, SMS
  - Automatic 'known-problems' resolution with no need of manual intervention

# Achieved with Control-M

- ▶ 90% less time consumption with jobs implemented in Control-M
- ▶ Switching to Backup Datacenter can be done in minutes (Disaster Recovery) and can be done by one person
- ▶ The staff employment was not changed - but new client was achieved at the same time (workload of Datacenter increased by about 15%)
- ▶ Thousands potential jobs to be implemented in Control-M in the future to save even more time
- ▶ 1 operator per shift monitors Control-M jobs execution in 24/7
- ▶ General knowledge of workflows is sufficient for operators to be efficient in Control-M
- ▶ Administrators are involved only in case of 'unrecoverable error'
- ▶ Central integration with other products (infrastructure and event monitoring, SLA execution)

**MORE RELIABLE WORKFLOW MANAGEMENT**

Спасибо

Вопросы?

# Workload Distribution Report



## Last Week Workload Report

Printed Date: 4/9/2006

Last Modified: 4/9/2006

Report Description:

Enterprise Workload for last week

### Job Count for March 26, 2006 - April 01, 2006

3/30/2006

CONTROL-M/Server name: **tlvs0035**  
 CONTROL-M/Server platform: UNIX  
 CONTROL-M/Server version: 630  
 CONTROL-M/Server code: 035  
 CONTROL-M/Server hostname: tlvs0035  
 Number of tasks in CONTROL-M/Server: 17  
 Number of executions in CONTROL-M/Server: 26

#### Task Type

Command	9
Job	8
Scheduling Group	4

#### Node ID

<Local>	8
tlvs0035	9

#### Application Type

OS	16
BIM	1

CONTROL-M/Server name: **mvs630**  
 CONTROL-M/Server platform: MVS  
 CONTROL-M/Server version: 62A  
 CONTROL-M/Server code: DDD  
 CONTROL-M/Server hostname: 172.16.110.134  
 Number of tasks in CONTROL-M/Server: 75  
 Number of executions in CONTROL-M/Server: 80

#### Task Type

Job	75
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### Job Count for last 5 days

#### Summary For Date: 3/30/2006

Number of CONTROL-M/Servers:	2
Number of Jobs:	92
Number of Executions:	106

### Total Summary for last 5 days:

Total Number of CONTROL-M/Servers:	15
Total Number of Jobs:	12,768
Total Number of Executions:	26,017

# SLA Analysis Report



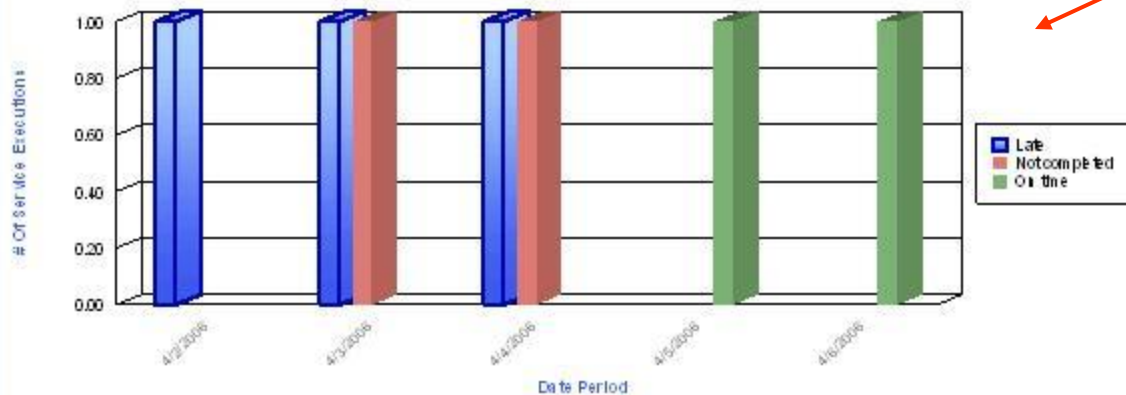
## SLA Analysis Report

Printed Date: 4/10/2006

Last Modified: 4/6/2006

Report Description:

### BIM SLA Analysis



Amount of Services per completion status

Service Name	Execution Status
4/2/2006	Late
bim_Test	Late
<b>Total Amount:</b>	<b>1</b>
4/3/2006	Late

Services Details

# Example FTPJob Form

The screenshot shows the 'Job Editing Form' window with the following details:

- General Tab:** Enter Account: OSF\_jovani, Load... button, Number of retries: 5, Retrieve... button.
- FTP Tab:** Enter the file paths or click "select": Select... button, Refresh button, Auto checkbox (unchecked), Use configuration default checkbox (checked).
- Job Progress Table:**

#	Status	Progress	Remaining Time	Transferred out of Total	Rate
1	✓ Ended OK	██████████ 100	00:00:00	7.915 MB / 7.915 MB	450.3 KB/sec
2	🔄 In Progress	██████	Multiple Files	49.08 MB	707.8 KB/sec

**Local:** OS type: Unix, Host: brandi, User: ag610

**Remote:** OS type: Unix, Host: jovani-osf, User: yoffer

File Transfer Settings:

- Local: /home/ag610/FTP/input/big\_file1 → Remote: /h/yoffer/FTP/Solaris/abigfile (Binary selected)
- Local: /home/ag610/FTP/output/ ← Remote: /h/yoffer/FTP/Solaris/\*big\* (Binary selected)
- Local: [ ] → Remote: [ ] (Binary selected)
- Local: [ ] → Remote: [ ] (Binary selected)

Buttons: OK, Cancel