

**Administration Automation**

**Automated  
Daily Checks**

ORA\_BRBACKUP  
ORA\_DBCHECKLOG  
ORA\_TABLESPACES  
UPDATERECERR  
SHORTDUMPS  
LOCKTABLE  
JOBS  
FULLCHECK  
SPOOL  
WORKLOAD  
PROFILES  
ORA\_SEGMENTS  
TRFC\_IN  
TRFC\_OUT  
GRFC\_IN  
GRFC\_OUT  
ABAP\_DD\_DB  
ORA\_BRARCHIVE  
IDOCs  
SAPSYSTEMLOG

**Automated  
Change Control**

ITIL based control  
SAP Profiles  
DB Profiles  
DB Layout  
DB Structure

**Automated  
Transports**

Combining multiple transport request to a single XSTP task  
Scheduling XSTP tasks  
Managed XSTP tasks imported in multiple clients in a single step  
Automated Transport documentation

## Administration Automation

### Integrated Ticketing

ITIL based workflows  
 Automated Knowledge Base build up  
 Caller  
 Owner  
 Priority  
 Status  
 Type  
 Source  
 Customer application  
 SAP System  
 Server  
 Short description  
 Daily Check

### Automated Service Level Reports

Contacts and Attributes  
 Tickets  
 Changes  
 Availability Data

SAP Systems

Daily workload

Average response time

database

Server  
 SAP Instance.

Version Information  
 Component Information

Histogram

Histogram  
 Indicator Details

Size Histogram  
 Space Usage Histogram

**Administration Automation**

<p><b>Automated Profile Comparing</b></p> <p><b>Automated Event Messaging</b></p> <p><b>Automated Forecasting</b></p>	<p><b>Servers</b></p> <p><b>Daily Checks</b></p> <p><b>SAP Profiles</b> <b>DB Profiles</b></p> <p><b>Active Filter setting</b> <b>Time &amp; Event based scheduling</b> <b>Send as SMS &amp; Mail</b> <b>Send to log file</b> <b>Create and execute Scripts</b></p> <p><b>Based on critical Trends (not single Events)</b></p>	<p><b>Description</b> <b>Availability Histogram</b> <b>Availability Details</b></p> <p><b>Overview</b> <b>Details</b></p>		
---	--	---	--	--

## Monitoring Preventive Checks

### Server Checks

AgentAlive  
CPULoad  
FileSystems  
PagingSpace  
Server Custom Checks

### SAP Instance Checks

RFCCConnect  
SAP Instance Custom Checks

### SAP System Checks

ABAP\_DD\_DB  
DB2\_Backup  
DB2\_CBO\_Stats  
DB2\_FSLogArch  
DB2\_Tablespaces  
FullCheck  
Idocs  
IdocStat  
Jobs  
JobStat  
LockTable  
MediumCheck  
MSS\_DBBackup  
MSS\_DBUsage  
MSS\_LogBackup  
MSS\_LogUsage  
ORABrBackupSuccessFIDs  
ORAExtentsUsageCrit  
ORAExtentsUsageWarn  
ORAFSSaparchFCastCfg  
ORAFSSaparchExCrit  
ORAFSSaparchExWarn  
ORAFSSaparchCrit  
ORAFSSaparchWarn  
ORASegsChkWaitCycles

## Monitoring Preventive Checks

ORATableSpaceFCastCfg  
ORATableSpaceExCrit  
ORATableSpaceExWarn  
ORATableSpaceUsageCrit  
ORATableSpaceUsageWarn  
Profiles  
QRFC\_In  
QRFC\_In\_ErrQ  
QRFC\_Out  
QRFC\_Out\_ErrQ  
ShortDumps  
Spool  
SpoolStat  
TRFC\_In  
TRFC\_Out  
UpdateQueue  
UpdateRecErr  
UpdateStat  
Workload  
SAP System Custom Checks

**Monitoring Custom Checks**

**Inside SAP**

Anything checkable by existing ABAP  
Anything checkable by custom ABAP

**Outside SAP**

Anything checkable by external Pgm  
Anything Interface to/from SAP

**JOBS**

Number of simultaneous running jobs  
Job Start Delay Time  
Maximum Job Run Time  
Minimum Job Run Time

**Network**

Network Response to any destination

**Process**

running / not running  
lower than / higher than

**Services**

Windows Services running

**Monitoring Classic Checks**

**OperatingSystem**

Filesystems

Filesystems

Name  
Freespace  
Percentage\_Used

CPU

CPU\_Utilization  
5minLoadAverage  
Idle

Paging

Page\_In  
Page\_Out

Swap\_Space

Freespace  
Percentage\_Used

OS\_Collector

State

Lan

IanO

Packets\_In  
Packets\_Out  
Collisions

IoO

Packets\_In  
Packets\_Out  
Collisions

**DatabaseClient**

AbapSql

SqlError

DBCconnection

DBServer

**Monitoring Classic Checks**

**R3Services**

Gateway\_Summary

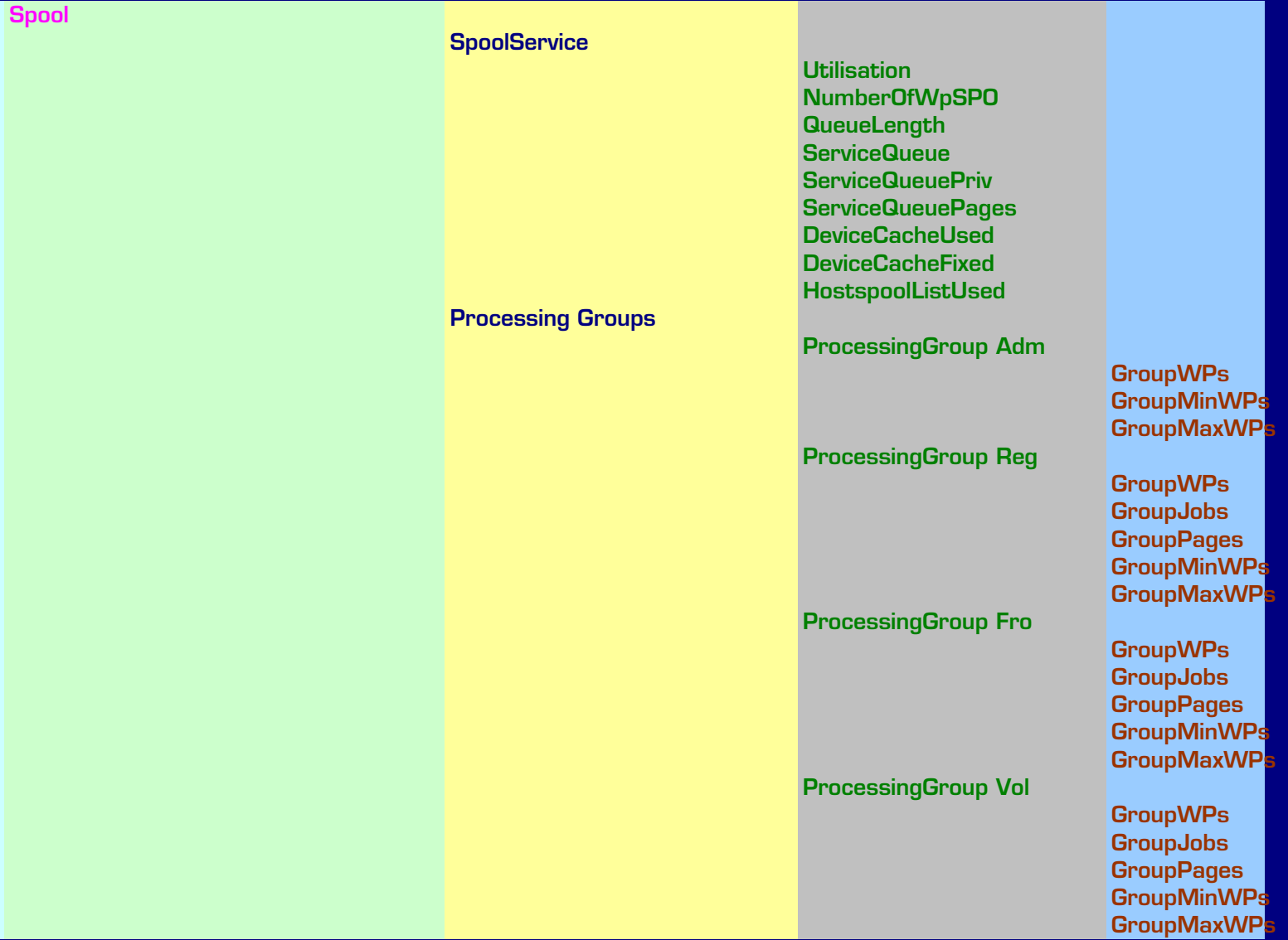
Gateway\_Reader

Gateway\_Clients  
Gateway\_Connections  
Gateway\_RemGateways  
Gateway\_CommAdmEnty  
Gateway\_Workprocess  
Gateway\_MallocFailed  
Gateway\_OverflowUsage  
Gateway\_OverflowExceeded

Dialog

ResponseTime  
FrontendResponseTime  
QueueTime  
Load+GenTime  
DBRequestTime  
Utilisation  
NumberOfWpDIA  
QueueLength  
LongRunners  
ProgramErrors  
DialogSteps  
GuiCallbackTime  
FrontEndNetTime  
MonitoringTime  
ResponseTime(StandardTran.)  
UsersLoggedIn

**Monitoring Classic Checks**



**Monitoring Classic Checks**

	Background	Devices	ProcessingGroup Pro	GroupWPs GroupJobs GroupPages GroupMinWPs GroupMaxWPs
			ProcessingGroup Dsk	GroupWPs GroupJobs GroupPages GroupMinWPs GroupMaxWPs
			ProcessingGroup Tst	GroupWPs GroupJobs GroupPages GroupMinWPs GroupMaxWPs
Update	Utilisation NumberOfWpBTC ProgramErrors ServerSpecificQueueLength AbortedJobs	PerformanceU1	ResponseTime QueueTime Utilisation NumberOfWpUD1	
			Update	AbapErrorInUpdate

**Monitoring Classic Checks**

**R3BasisSystem**

**Enqueue**

EnqueueClient

EnqueueFreq

EnqueueServer

QueueLength

**LDAP-Connector**

**TraceSwitches**

R3DeveloperTrace

R3SystemTrace

**MemoryManagement**

R3RollPaging

R3PagingUsed

R3RollUsed

R3MemMgmtResources

EsTotal

EsPeak

EsRecentPeak

EsAct

EsAttached

HeapTotal

HeapPeak

HeapRecentPeak

HeapAct

EmSlotsTotal

EmSlotsPeak

EmSlotRecentPeak

EmSlotsAct

PrivWpNo

WpDiaRestart

WpNonDiaRestart

**Monitoring Classic Checks**

**Buffers**

**Program**

DirectoryUsed  
SpaceUsed  
HitRatio  
Swap

**SingleRecord**

DirectoryUsed  
SpaceUsed  
HitRatio  
Swap

**GenericKey**

DirectoryUsed  
SpaceUsed  
HitRatio  
Swap

**Screen**

DirectoryUsed  
SpaceUsed  
HitRatio  
Swap

**CUA**

DirectoryUsed  
SpaceUsed  
HitRatio  
Swap

**TableDefinition**

DirectoryUsed  
SpaceUsed  
HitRatio  
Swap

**Monitoring Classic Checks**

		FieldDescription	DirectoryUsed SpaceUsed HitRatio Swap	
<b>R3Abap</b>		InitialRecords	DirectoryUsed SpaceUsed HitRatio Swap	
		ShortNameTAB	DirectoryUsed SpaceUsed HitRatio Swap	
<b>R3Syslog</b>	Shortdumps  BasisSystem Database CCMS Background Communication Spool Security TransportSystem BatchInput Applications Customer Miscellaneous SyslogFreq	Shortdumps		

## Monitoring Classic Checks

### Security

Logon  
RFCLogon  
TransactionStart  
ReportStart  
RFCall  
UserMasterRecords  
System  
Miscellaneous

### Server Configuration

Host  
Operating System  
Machine Type  
IP Address  
Start time and date  
R/3 Kernel Release  
R/3 Kernel Database Library  
R/3 Kernel Patch Level  
Start Profile  
Instance Profile  
Home Directory  
SAP Codepage  
Total Number of Work Processes