

Conigma™ QCOPY

**Solution for automatically generating
Import Queues**

**SAP® Basis Management
made easy**

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Status Quo –SAP System refresh/restore

- **Process**
 - Manually
 - Time consuming
 - Error prone
 - Expensive – requires a lot of resources (very experienced SAP basis administrators necessary)
- **System refresh (in particular QA system) regularly**
 - QA-System during system refresh not available
 - Increased quality risk - urgent changes are transported without QA directly into the production system
- **Creation of test environments, i.e. test clients**

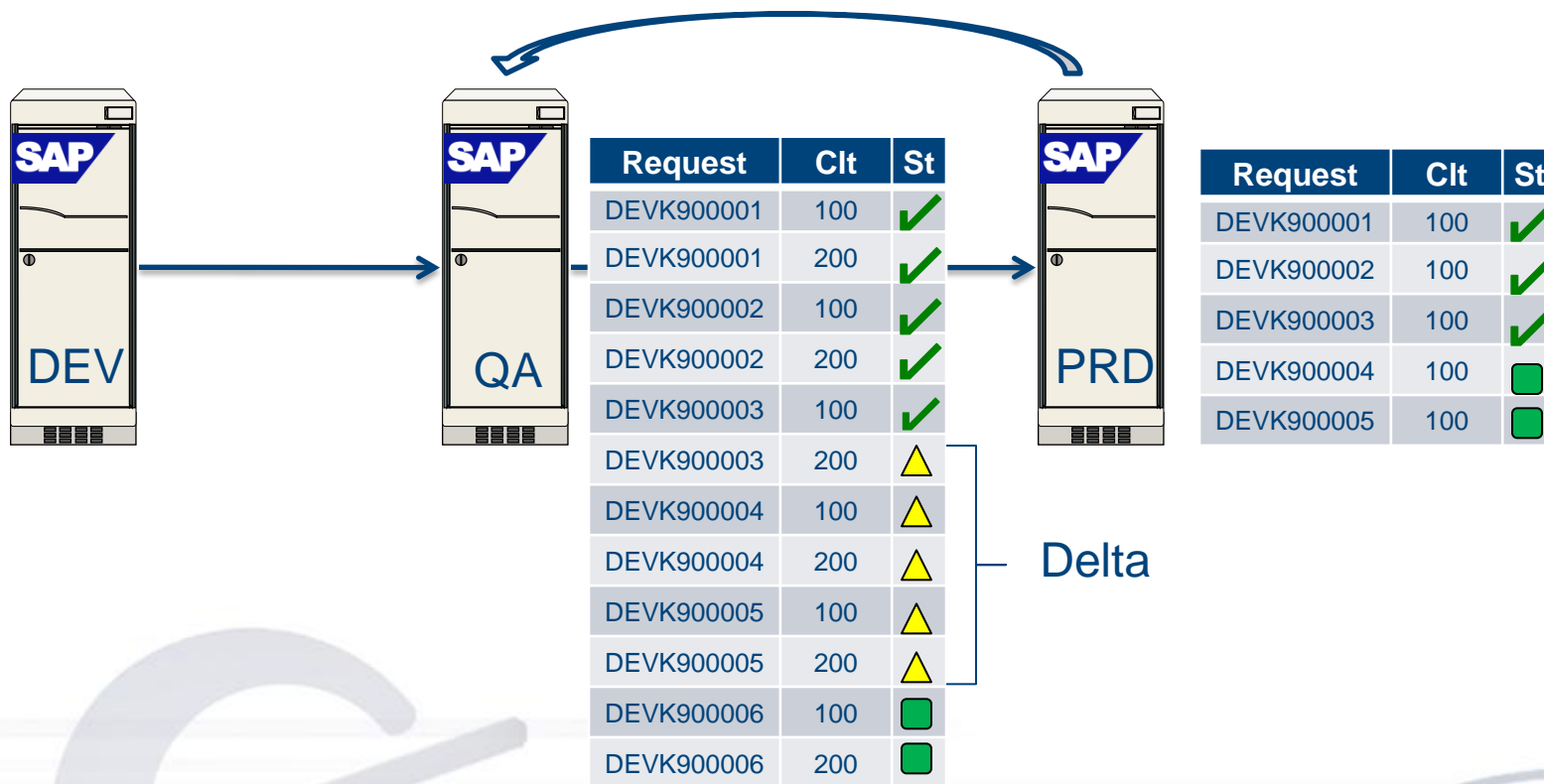
The advantages of Conigma QCOPY

- **Process**
 - Automatically
 - Within a few minutes
 - **NO** expert know-how necessary
- **Quality improvement and higher availability of the QA-systems**
- **Cost reduction**
 - Dramatically less man power required
 - Queue operations require less special know-how (more flexible personnel employment possible)

Functions of Conigma™ QCOPY

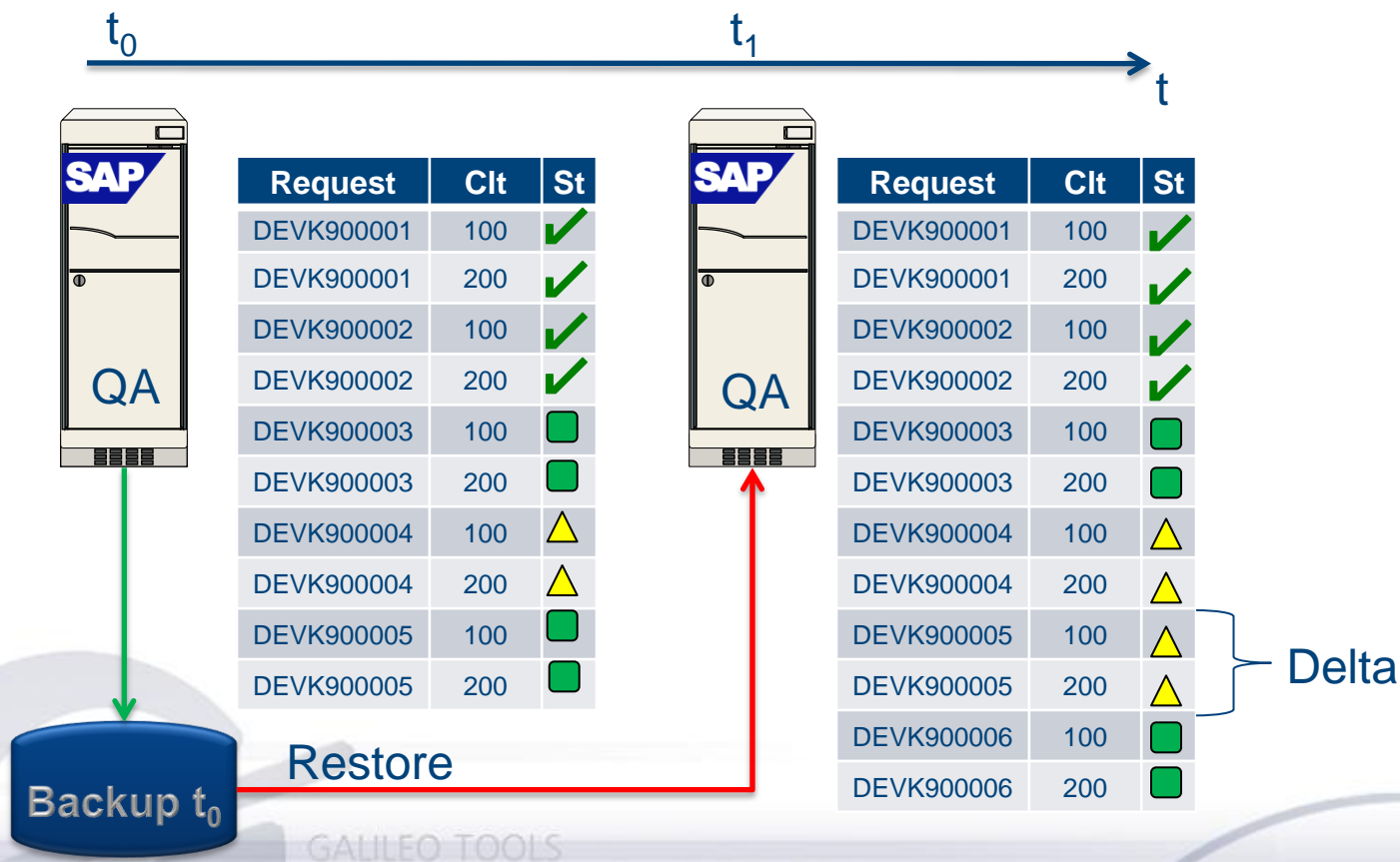
- **Automatic generation of import queues via mapping of source and target client**
- **Determination/usage of U-modes**
- **Determination/usage of import status**
- **Determination of differences after system copy/restore**
- **Manual intervention during generation of delta imports possible**
- **Automatic import of differences after system copy/restore**
- **Usage of virtual queues**

Scenario I - system refresh



Transport requests 3 (for client 200), 4 and 5 get lost during the system copy and need to be reimported into the QA system

Scenario II - system restore



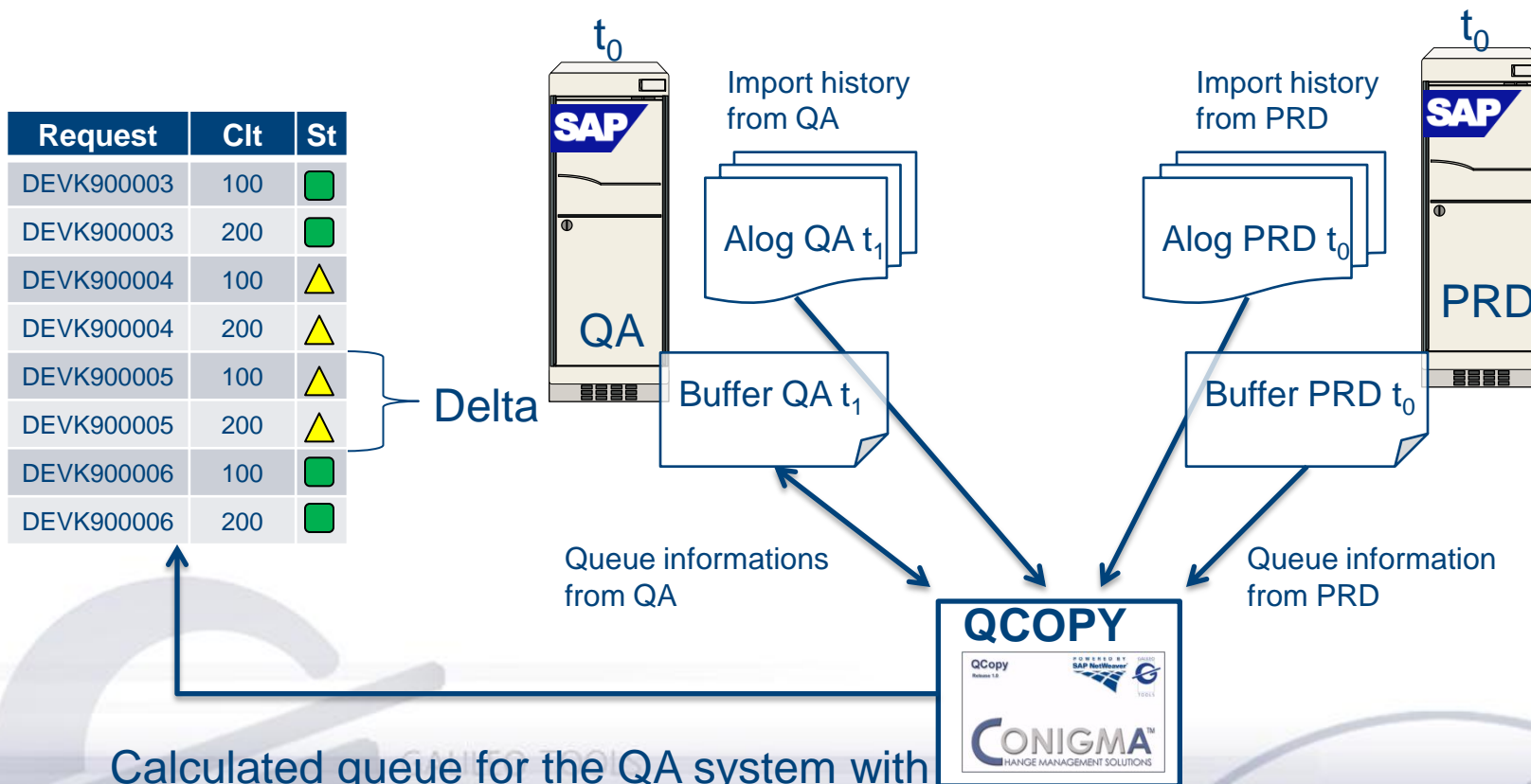
Import of transport request 5 gets lost during the system restore and needs to be reimported

Conditions for usage of QCOPY

To use the full functionality of QCOPY, the following conditions regarding the associated SAP systems needs to be fulfilled:

- **Buffer files of the associated SAP systems must be available**
- **Alog files of the associated SAP systems must be available**
- **SAP Version from R/3 4.6C up to 7.0 (UC and NUC)**

Determination of deltas by QCOPY



Calculated queue for the QA system with delta information to reproduce status at time t_1

User interface of QCOPY

System parameters and import options

System data

Transport domain: DOMAIN_G31

System (SID): G31

Ref.system (SID): G33

Copy-Mode
 Restore-Mode

Lock Queue

Export (.csv)

Read system data

Check target queue

Adjust queue

Import Delta

Import options

Use calculated queue
 Use original queue (G31/buf)
 Use reference queue (G33/buf)

Discard system external imports
 Consider whole import history

Mapping copies

Target client mapping		
Source	Target	
100	150	
100	200	

Transport domain: automatic determination
System SID: target SAP system
Ref. system SID: source SAP system copy is derived from
RFC Mode: for SAP systems outside of the transport domain
TD Mode: communication via configuration of transport domain
Lock on read: exclusive access to queue, which needs to be changed

Use calculated queue: usage of data calculated by QCOPY
Use original queue: usage of queue of the target system
Use reference queue: usage of queue of the source system
Discard system external imports: Determination/usage of Umodes
Mapping copies: Mapping of source client to one or more target clients

User interface of QCOPYY

Queue views

Current queue													
Removal	No	Request	T	QM	Cit	RC	I	UMO	Owner	Project	Text	Ac	St
	1	L31K900981	W	100	100	◇	w	IF	GALILEO		Qcopy test #01		
	2	L31K900981	W	100	200	◇	w	IF	GALILEO		Qcopy test #01		
	3	L31K900985	W	100	100	◇	w	IF	GALILEO		Qcopy test #03		
	4	L31K900985	W	100	200	◇	w	IF	GALILEO		Qcopy test #03		
	5	L31K900987	K	100	100	◇	k		GALILEO		Qcopy test #04		
	6	L31K900987	K	100	200	◇	k		GALILEO		Qcopy test #04		

Queue after adjustment														
DQ	Po	No	Request	T	QM	Cit	RC	I	UMO	Owner	Project	Text	Ac	St
▲	+	397	L31K900971	K	100	100	◇	k		ENGEL		Engel: Queue Manipulation 2		
▲	+	398	L31K900971	K	100	200	◇	k		ENGEL		Engel: Queue Manipulation 2		
▲	+	399	L31K900977	K	100	100	◇	k		ENGEL		QCopy: Flagtest		
▲	+	400	L31K900977	K	100	200	◇	k		ENGEL		QCopy: Flagtest		
▲	+	401	G01K903040	K	100	100	◇	k		ENGEL		Conigma QCopy: Transport zum Entwicklungstest		
▲	+	402	G01K903040	K	100	200	◇	k		ENGEL		Conigma QCopy: Transport zum Entwicklungstest		
	↓	403	L31K900981	W	100	100	◇	w	F	GALILEO		Qcopy test #01		
	↓	404	L31K900981	W	100	200	◇	w	F	GALILEO		Qcopy test #01		
	↓	405	L31K900985	W	100	100	◇	w	F	GALILEO		Qcopy test #03		

- (1) Transport request recognized as missing and marked as Delta
- (2) Transport request has been added to queue (i.e. via client mapping)
- (3) Transport request has been moved downwards in the queue

Process 1 - system restore

1. System restore from a Backup
2. Starting QCOPY
3. Select „restore“ mode
4. Select SID (target system)
5. Select date and time of Backup
6. Read system data (adjustment of import queues, history and TMS data)
7. Check queue for target system (availability of necessary transport requests)
8. Preview and check of the import queue calculated by QCOPY
9. Manually adjust generated import queue, if necessary
10. Adjust queue for target system
11. Import delta

Process 2 - system refresh

1. System copy from Backup or database copy
2. If required, add queue from additional client
3. Starting QCOPY
4. Select SID (target system) and reference system (source system)
5. Read system data (adjustment of import queues, history and TMS data)
6. If necessary, execute mapping for target client (if clients have been added, activate „Mapping copies“)
7. Check queue for target system (availability of necessary transport requests)
8. Preview and check of the import queue calculated by QCOPY
9. Manually adjust generated import queue, if necessary
10. Adjust queue for target system
11. Import delta



Thank you for your attention

Questions ?

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