

# Maintenance Certificates

What's that & How to use ?

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# Topics

- What is a Maintenance Certificate ?
- Why is a Maintenance Certificate introduced ?
- Which SAP Release is hit ?
- When will it become “really active” ?
- How is it activated ?
- Ways of Distribution
- How to automate this with SolMan ?
- How to use this without SolMan ?
- Useful notes ...

# What is a Maintenance Cert ?

```
----- Begin SAP License -----  
SAPSYSTEM=I62  
HARDWARE-KEY=Q1632572763  
INSTNO=0020159333  
BEGIN=20081021  
EXPIRATION=21090122  
LKEY=MIIBOgYJKoZIhvcNAQcCoIIBKzCCAScCAQExCzAJBgUrDgMCGgUAMAsGCSqGSIb3DQEHA  
SWPRODUCTNAME=Maintenance_ORA  
SWPRODUCTLIMIT=2147483647  
SYSTEM-NR=000000000310534184
```

- This is just another type of license, that typically needs to be renewed all 3 months.
- The maintenance certificate is generated at SAP ONLY! (Your SolMan just transfers it from SAP to all your systems)
- It proves, that your system is covered with a valid maintenance contract.
- It can be installed manually or automatically by your SolMan

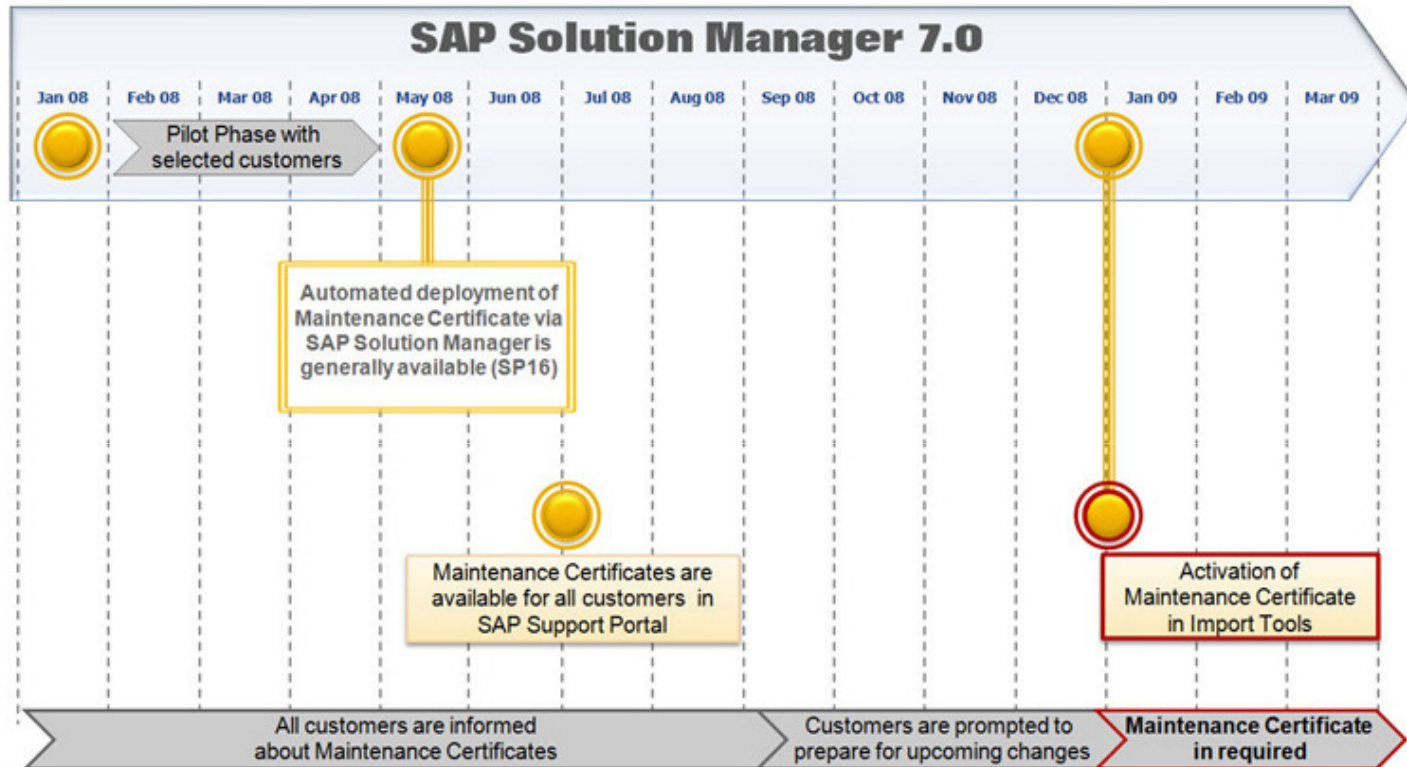
# Why Maintenance Certs ?

- SAP suspects a lot of companies using SAP without a maintenance contract or even a license at all (especially in the largest country of the world)
- This digital license cannot „be faked“ as it is encrypted with an 128 Bit key – the only way around would be a modification of SPAM/SAINT ...
- Therefore, this new method might increase the revenue of SAP with several of these companies as soon as they use these new products.

# Which SAP Release is hit ?

- Similar to the Support Package Downloads via the SolMan (Maintenance Optimizer), where this is ONLY required for 7.0 or higher based products, this is the same with Maintenance Certificates
- => Examples:
  - ERP6.0 (ERP 2005, not 2004)
  - BI 7.0
  - SolMan 7.0 (4.0)
  - NW 7.0 (2004s)
  - PI 7.1
  - ...

# When will it become “really active”?



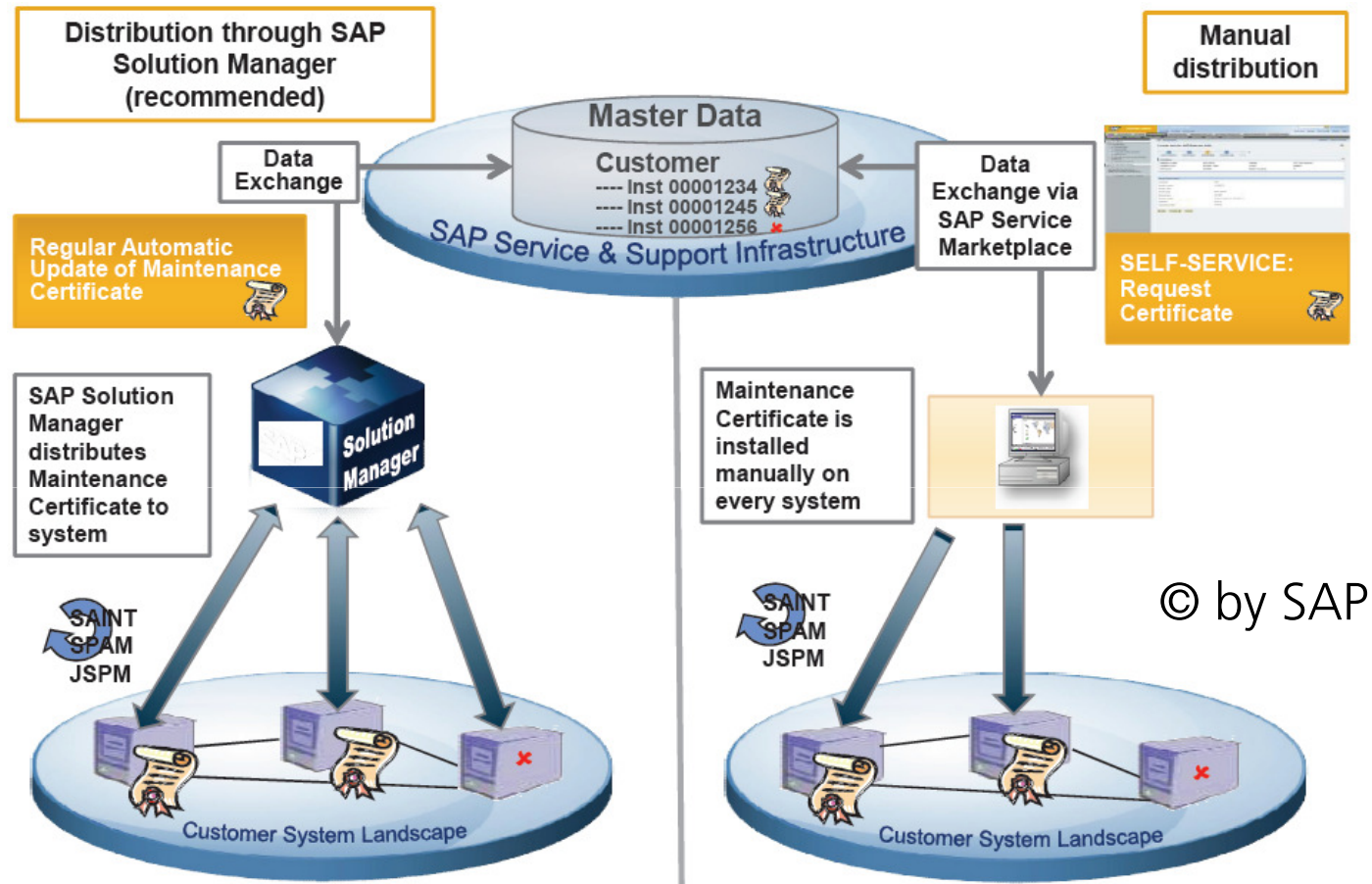
© by SAP

- As of January 2009, this becomes a requirement for all customers ! => You need to care for that !

# How is it activated ?

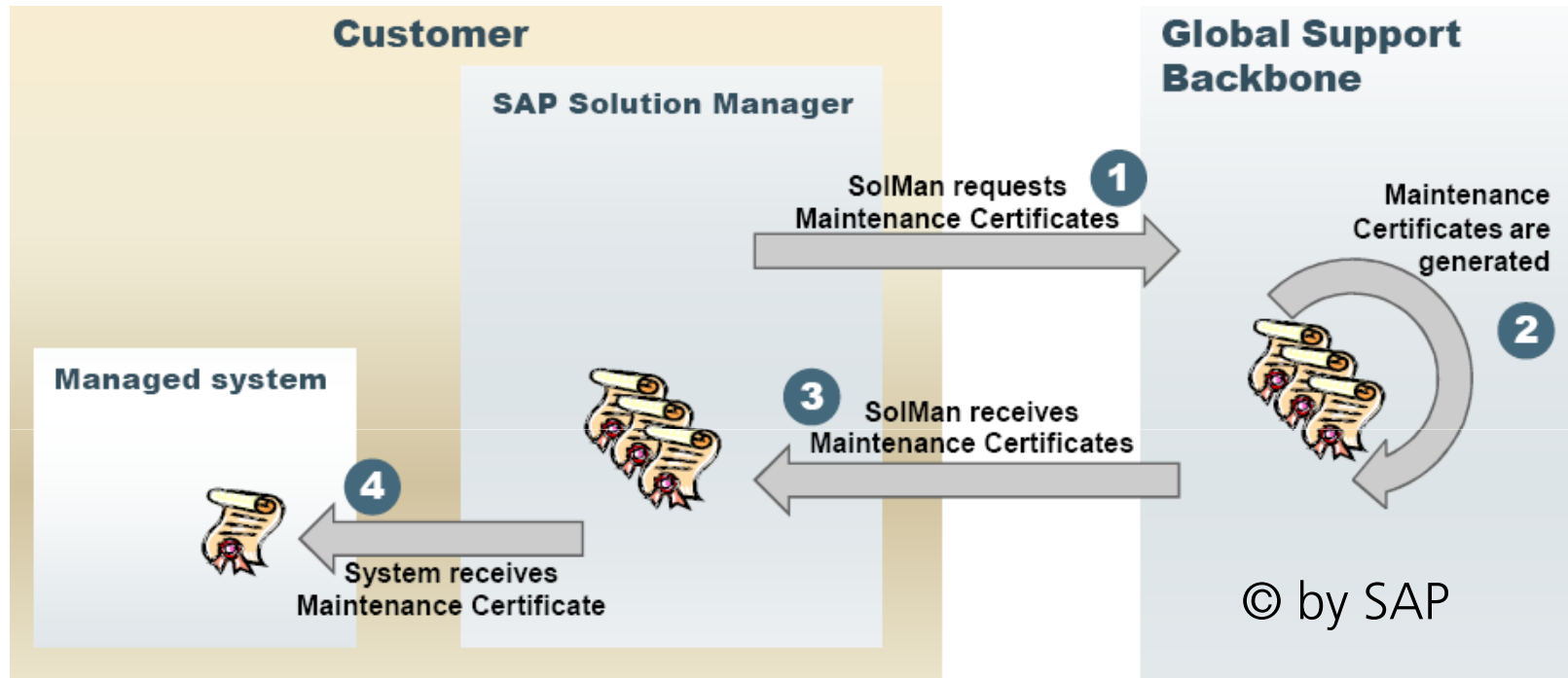
- SAP activates this new feature with the latest SPAM/SAINT-Update
  - As the latest Update is required for new Support Packs, this runs pretty fast into the complete customer base
  - SPAM-Update 7.0 - 31 will have the first information in there – right now, this is „just a warning“ – as of January 33 or 34 will generate a hard error  
(Upgrades are excluded from this technique)
  - SPAM-Update 7.0 – 32 contains the fix, that iSeries certificates are recognized properly
- 
- Note 1240265 - SPAM, SAINT: No maintenance certificate found

# Ways of Distribution



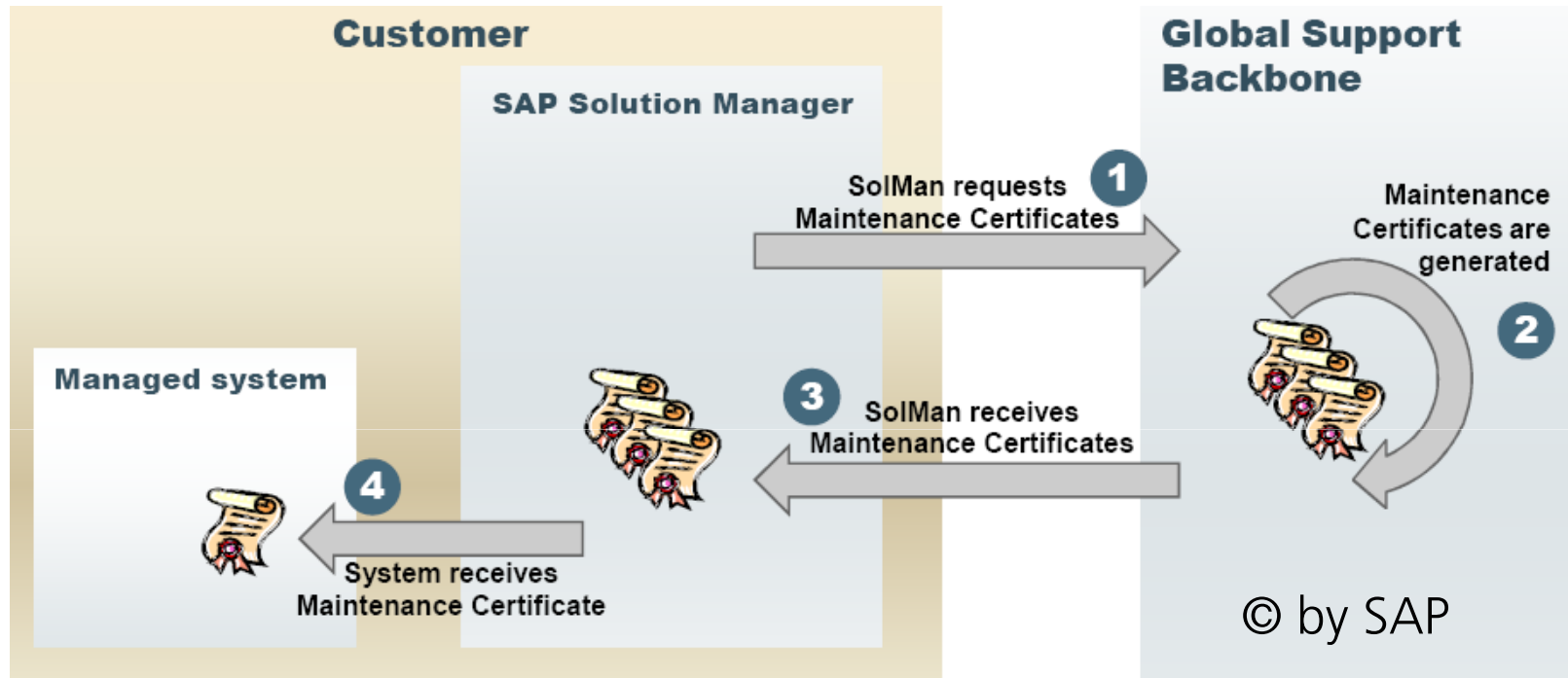
- You can either do it via your SolMan or manually  
=> The Maintenance Certs do NOT require a SolMan

# How to automate this with SolMan?



- Your SolMan requests the maintenance certificate at SAP automatically for all of your systems
- SAP generates the certificate
- Your SolMan receives it one day later
- Your SolMan distributes it to your system (about 30 days before end )

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# Requirements for Automation

- Centrally:  
SolMan with SP 16 (ST400)
- In the Satellite Systems:  
ST-PI 2005\_1\_700 SP 6

# The Manual Approach ...


- As the Maintenance Certificate Process is fully bound into the SAP Licensing Technology, you can run this process as you are used to ;-)
- You have to order a „maintenance“ license at the SMP with the quicklink /licensekey
- You install this new „maintenance“ license with the transaction SLICENSE


# Order the Maintenance Cert

**License Requests**

Please enter the hardware key for each server.  
For details on retrieving the hardware key, please see the documentation [License Keys for SAP Systems](#) (Adobe PDF, 672kB).

Hardware key (HWID) \*

License type \*  

Valid until \*  

- [www.service.sap.com/licensekey](http://www.service.sap.com/licensekey)
- You order it in the same way as any other digital license as of 7.0 (can be installed via „New Licenses“ only!)
- Instead of type „Standard“, you choose „Maintenance“  
=> the default time, then changes to 3 months from now
- A few minutes later you receive this license via mail

# Install the Maintenance Cert

## SAP License Administration # Digitally-Signed License Keys

The screenshot shows the SAP License Administration interface. The 'Current Settings' section displays the following information:

- Active Hardware Key: Q1632572763
- Installation Number: 0020159333
- License Expiration Date: 31.12.9999
- System Number: 00000000310534184

The 'Installed Licenses' section shows a table of licenses in the database:

Stat	SID	Hardware Key	Sware Prod	Valid From	Valid To	T
OO	I62	W2126538423	NetWeaver_ORA	30.01.2008	31.12.9999	P
OO	I62	Q1632572763	NetWeaver_ORA	18.05.2008	31.12.9999	P
OO	I62	Q1632572763	Maintenance_ORA	21.10.2008	22.01.2109	P

An 'Öffnen' (Open) file explorer window is overlaid on the right, showing the contents of the 'MaintenanceCert' folder:

- I62\_MAINTENANCE2.txt
- I62\_Maintenance\_License.txt

The file explorer shows the file name 'I62.txt' and file type '\*txt'.

- You can see, that this gets installed as a „normal“ license with SLICENSE (just on the page for NEW licenses)
- The type is „Maintenance\_<DB>“

# Useful Information

- Note 1240265 - SPAM, SAINT: No maintenance certificate found
- Note 1251060 - Error in requirement process of maintenance certificate
- Note 1134886 - Activating automatic distribution of maintenance certificate
- [www.service.sap.com/licensekey](http://www.service.sap.com/licensekey)  
(on this page, you'll find a lot of information to this topic as well)
- Table for all Maintenance Certificates in your company:  
This table is used in your SolMan only: AGS\_MAINT\_KEYS