

SAP on IBM i

News from the Platform Team

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THE BEST-RUN BUSINESSES RUN SAP



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Agenda

IBM

SAP

1. **IBM i 7.1 Certification**
2. Upgrade Performance
3. Solid State Disk Experience

IBM i 7.1 Certification

Dates and Products



IBM Product Availability

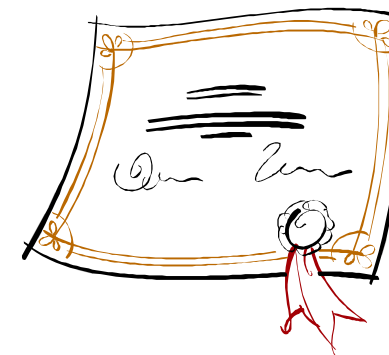
- n Product Announcement: April 14th 2010
- n General Availability: April 23rd 2010



SAP Release Certification

- n Certification Date: May 17th 2010
- n Certified Releases: SAP product releases based on SAP Technology 6.x or newer that are in Mainstream Maintenance or Extended Maintenance at the beginning of 2011

- n SAP NetWeaver
- n SAP R/3 Enterprise, SAP ERP / SAP ECC
- n SAP CRM 5.0, 7.0 and higher
- n SAP SRM 4.0 and higher
- n SAP SCM 4.1 and higher



IBM i 7.1 Certification

Information Rollout



Information Rollout

n Announcement:

n SAP Community Network



IBM i 7.1 certified for SAP Solutions **New!**

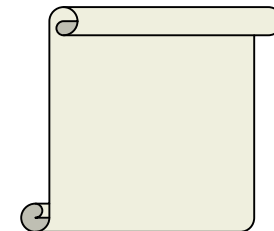
The recently announced IBM i version 7.1 has been certified for SAP solutions on May 17th, 2010. The certification is limited to SAP product releases based on technology release 6.x or newer being in mainstream maintenance or extended maintenance at the beginning of 2011. Details about the certified solutions can be found in the [product availability matrix](#). 17 May 2010

n Product Availability Matrix updates

n Maintenance:

n SAP Note 1432783: Known Issues with IBM i 710 + Required minimal patch levels

n IBM InfoAPAR II14536: SAP Support required PTF List for IBM i 7.1



IBM i 7.1 Certification

Lifecycle of IBM i Releases



Support for IBM i operations

n <http://www-304.ibm.com/jct01004c/systems/support/i/planning/upgrade/suptschedule.html>

release	general availability	end of support
5.2	08/30/2002	04/30/2007
5.3	06/11/2004	04/30/2009
5.4	02/14/2006	tbd
6.1	03/21/2008	tbd
7.1	04/23/2010	tbd

Support for IBM i upgrades

n <http://www-304.ibm.com/jct01004c/systems/support/i/planning/software/i5osschedule.html>

to \ from	5.3	5.4	6.1	7.1
5.2	01/04/2008	01/07/2011	-	
5.3	-	01/07/2011	tbd	
5.4	-	-	tbd	tbd
6.1				tbd

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IBM

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1. IBM i 7.1 Certification
2. **Upgrade Performance**
3. Solid State Disk Experience

Upgrade Performance

Summary



Enhancement	PROD. UPTIME	PROD. DOWNTIME
Corrected trigger creation code	2008	
Optimized table access statements	2008	2008
Corrected temporary object naming		2008
Consolidated table conversion statements		2008
Parallelized data package processing		2008
Intentional optimizer statistics generation	2008	
Improved table conversion parallelization		2009 2010
Delayed database lock acquisition		2010
Optimized table data copy		
ALTER TABLEs during uptime		
Utilization of fast storage devices		

Upgrade Performance

Summary



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Upgrade Performance

Delayed Database Lock Acquisition (Details)

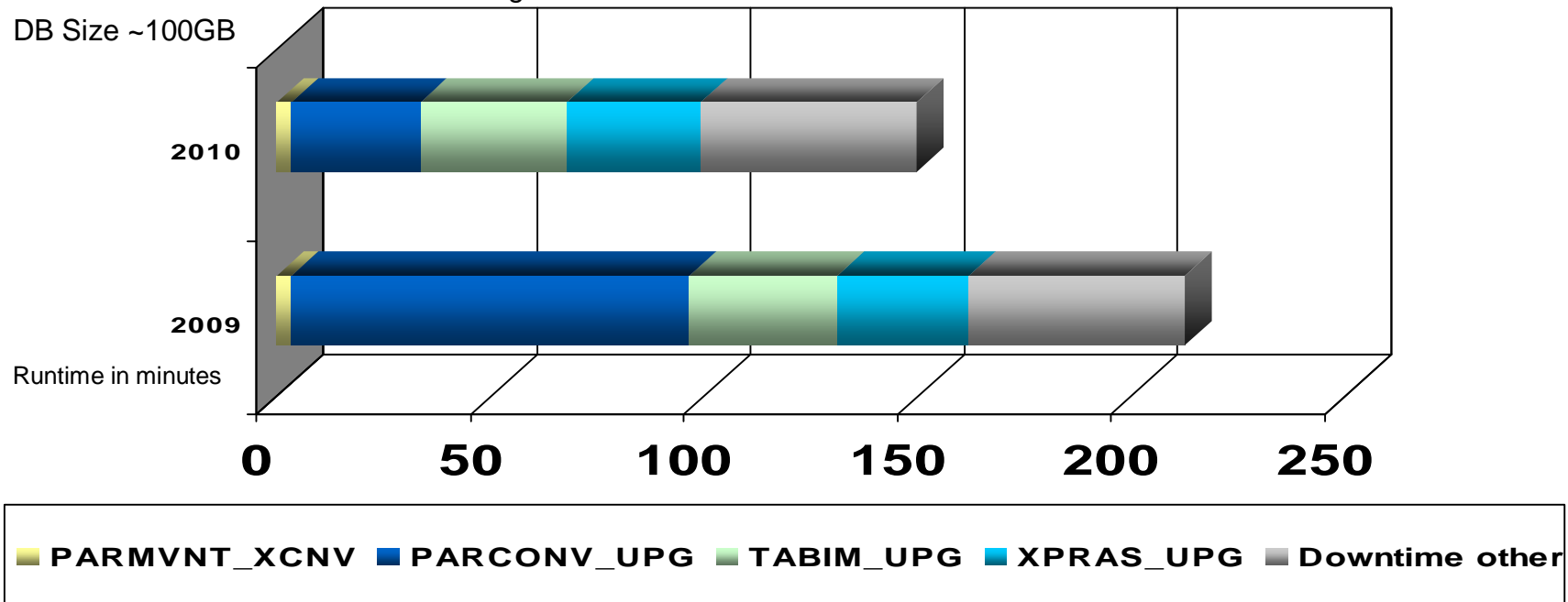


Delayed Lock Acquisition for ALTER table statements

- n Reduced lock times
- n Reduced number of locks
- n Improved view processing
- n Improved journal processing
- n Reduces contention when processing dependent database objects in parallel
- n Available with IBM i 7.1

SAP ERP Upgrade Downtime Reduction

- n Source Release: SAP R/3 4.6D -> Target Release: SAP ERP 6
- n DB Size ~100GB



Upgrade Performance

References



More detailed information about this topic can be found here:

- n The WhitePaper „SAP on IBM i ABAP Upgrade Performance“:
 - n Stored within IBM Techdocs under <http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP101412>
 - n Referenced from SAP Community Network knowledge center „SAP on IBM i“ <http://www.sdn.sap.com/irj/sdn/db4> via „Update: Increase Upgrade Performance“
- n The SAP on IBM i „News from Development“ BLOG issue „Improve (not only) upgrade performance“:
 - n Stored within SAP Community Network under www.sdn.sap.com/irj/scn/weblogs?blog=/pub/wlg/14369
 - n Referenced from SAP Community Network knowledge center „SAP on IBM i“ <http://www.sdn.sap.com/irj/sdn/db4> via „Performance Improvements“

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3. **Solid State Disk Experience**



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Intersport

Erfahrungen mit Solid State Disks, IBM DS8700 und IBM i

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INTERSPORT



Siehe separate Presentation

Thank you!

