

Innovation update

SAP Student Lifecycle Management

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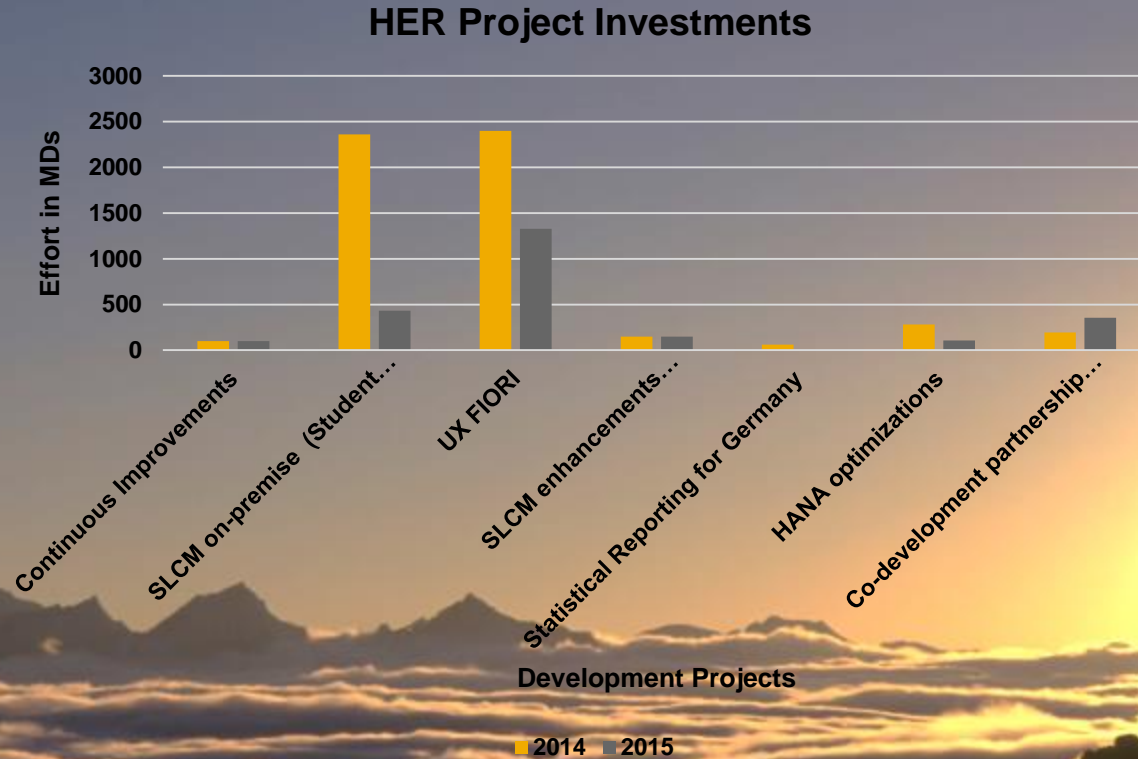


Agenda

- Innovation Roadmap
- Customer Connection
- HANA optimizations
- SLCM in S/4 HANA
- FIORI in SLCM
- Admissions and Registration
- Q & A









SLCM Investments 2014 & 2015








Innovation highlights in Higher Education & Research

SAP Higher Education & Research







Recent innovations

-  SAP Fiori apps for Higher Education & Research - for professors, students and advisors
-  SAP Student Lifecycle Management – Optimization for use with SAP HANA software, wave II
-  HANA Core Data Service Models for key academic processes of SAP Student Lifecycle Management
-  SAP Customer Connect for SAP Student Lifecycle Management - 2015
-  Student Administration – Admissions
Student Administration – Registration
-  Student Recruitment in Cloud for Customer (SAP C4C)

Planned innovations

-  SAP Customer Connect for SAP Student Lifecycle Management - 2016
-  Optimization and simplification of the data model of SAP Student Lifecycle Management
-  S/4HANA porting & enablement of SAP Student Lifecycle Management & Fiori apps
-  SAP Fiori apps for higher education and research – My Personal Details
-  New HANA platform-based Student Activity Hub solution

Future direction

-  Integration between SAP Student Lifecycle Management with CEC (Hybris/C4C)
-  HANA platform based higher education solutions & services: Next-Gen Degree Audit and Micro-Services
-  Fiori apps for students (e.g. exams/assessments) for faculty & professor
-  Course/Event & Professor evaluation for SAP Student Lifecycle Management
-  SAP Customer Connect for SAP Student Lifecycle Management – 2017
-  Continuous improvements of SAP Student Lifecycle Management

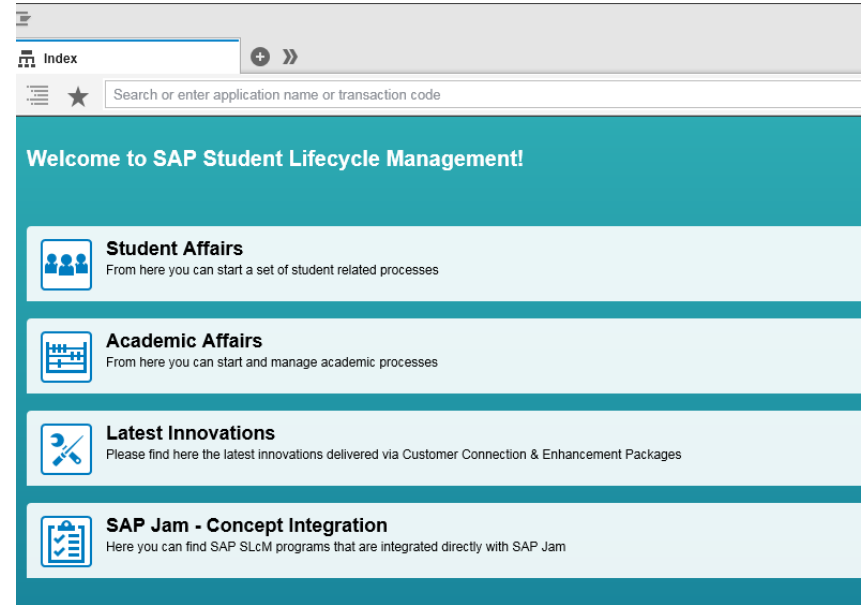
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Continuous Improvements 2014/2015

- Provide mass processing in parts of admission process
- Allow further changes in Equivalency determination and include external test results in academic UI
- Deliver new filter and conditions for degree audit
- View incomplete course registrations for students via correspondence
- Mass e-mail communication tool and transactions
- Extend course-registration user interface and functionality
- Etc...



Focus on innovations in core SLcM

Customer Connect 2015

- Delivered **14 improvement requests** submitted by a variety of customers – Q1 2015
- Improvements delivered via notes. Summary in Note **2120448**
- Improvements available from SAP ERP 6.0 EhP 6 release
- Some of the improvements include:
 - Use of full screen in several transactions
 - Automatic credit assignment in Academic Work Maintenance
 - Attribute Capacity is available in scheduled assessments
 - Increase range of keys for version sets of Requirements catalog
 - Change of Advisor process

The screenshot displays the SAP Customer Influence interface for the 'Student Lifecycle Management (SLcM) 2014' project. The top navigation bar includes the SAP logo, the text 'Customer Influence Collaborate and Co-Innovate', and a search bar. Below this, there are navigation menus for 'Navigate to ...' and 'Projects by ...'. The main content area features a 'Focus Topic Phases' section with buttons for 'Define', 'Collect', 'Select', 'Develop', and 'Use'. A 'Focus Topic Description' section provides details about the 'Customer Connection for SAP Student Lifecycle Management (SAP SLcM)' project, including its scope and the SAP SLcM solution's purpose. On the right side, there are interactive elements such as 'You are following this project', 'Send as email', 'Contact project manager', and 'Recent Blog Posts' with links to various updates and webinars.

Focus on innovations in core SLcM

Customer Connect 2016

- 20 improvement requests are planned to be delivered by end of April
- Customer Acceptance Tests planned to be executed remotely on April 25-26th
- Improvements available from SAP ERP 6.0 Ehp 6 and Ehp7 release
- Some of the improvements include:
 - Programs to execute mass activities
 - Additional standard reports
 - New functionality for deleting assessment process
 - Allow periodic entries in academic calendar
- Further Information can be found in : <https://influence.sap.com/>

The screenshot shows the SAP Customer Influence web application. The header includes the SAP logo, the text 'Customer Influence Collaborate and Co-Innovate', and a search bar. Below the header, there are navigation menus for 'Navigate to...' and 'Projects by...'. The main content area is titled 'Student Lifecycle Management (SLcM) 2014' and features a navigation bar with tabs for 'Home', 'Requests', 'Documents & Events', 'Manage', and 'Project Setup'. The 'Requests' tab is active. The main content displays 'Focus Topic Phases' with buttons for 'Define', 'Collect', 'Select', 'Develop', and 'Use'. Below this is a 'Focus Topic Description' section for 'Customer Connection for SAP Student Lifecycle Management (SAP SLcM)'. The description includes a 'Scope of project' section. On the right side, there is a sidebar with a 'Welcome, Farah Gabriela Gonzalez!' message, a 'Send as email' button, a 'Contact project manager' button, and a 'Recent Blog Posts' section with several entries.

Focus on innovations in core SLcM

Mass Admission and Registration Report

Improvement Request: D8808 Programs to execute mass activities in SLCM

- Allows Mass Approval of Admission Application / Creation of Admission Record
- Allows Mass Registration / Re-Registration for Students with Successful Audit

Admission and Registration Mass Report

Object Selection
Selection Method: Students via Student Number
Selection Variant: MIT TAA 2 - For prev SEM

Parameter
Program Option
Program of Study: B. E in Electronics

Academic Session
Academic Year: Acad year 2016/17
Academic Session: Winter semester

Action
 Create Admission Application Approve Admission Application Create Approved Admission
 Create Registration Create Re-Registration

Registration Details
 All Student Student with Successful Audit
Reg. On:
Stage:
Reg. Type: 01 Regular Student (Ex. Entry)
Classification: 01 Classification 01 (Ex. Entry)

Program Control
 Test Run
 Parallel Processing
Server Group: parallel_generators
Max. No. of Tasks: 10
Max. No. of Objs in Pkg.: 100
 Detail Lists

Mass Module Booking Report

Improvement Request: D8808 Programs to execute mass activities in SLCM

- Allows Creation of Student Variant / Module & Event package Variant to be used for Booking
- Selection OF Module Booking Context and Enable Mass Module Booking with Parallel Processing

The image shows two SAP screenshots. The left screenshot is the 'Mass Module Booking Report' interface, and the right screenshot is the 'Student Selection Screen'.

Mass Module Booking Report

Booking Context Selection

Student Selection Variant: MBA_IT_2016_WINTER [Maintain Student Variant]
Module Selection Variant: MBA_IT_FG_ECON [Maintain Module Variant]

Parameters

Module Booking Context

Program Of Study: MBA_Info_Tech
Program Type: Post Graduate

Academic Session

Academic Year: Acad year 2016/17
Academic Session: Winter semester

Program Control

Test Run
 Parallel Processing
Server Group: parallel_generators
Max. No. of Tasks: 10
Max. No. of Objs in Pkg.: 100
 Detail Lists

Student Selection Screen

Student Selection Method: Students via Student Number
Selection Variant: VID_1001_1500

Copy

Object ID	StudentNo.	First name	Last name	Academic S.
50019650	970000001001	STUD1001	Performance1001	
50019651	970000001002	STUD1002	Performance1002	
50019652	970000001003	STUD1003	Performance1003	
50019653	970000001004	STUD1004	Performance1004	
50019654	970000001005	STUD1005	Performance1005	
50019655	970000001006	STUD1006	Performance1006	
50019656	970000001007	STUD1007	Performance1007	
50019657	970000001008	STUD1008	Performance1008	
50019658	970000001009	STUD1009	Performance1009	
50019659	970000001010	STUD1010	Performance1010	
50019660	970000001011	STUD1011	Performance1011	
50019661	970000001012	STUD1012	Performance1012	
50019662	970000001013	STUD1013	Performance1013	
50019663	970000001014	STUD1014	Performance1014	
50019664	970000001015	STUD1015	Performance1015	
50019665	970000001016	STUD1016	Performance1016	
50019666	970000001017	STUD1017	Performance1017	
50019667	970000001018	STUD1018	Performance1018	
50019668	970000001019	STUD1019	Performance1019	

Save Student Selection : MBA_IT_2016_WINTER [Save Module List]

Deleting Assessment Process

Improvement Request: D8830 *New functionality for deleting assessment process*

- *Allows to delete an existing assessment process / related Audit run and Audit profile*

The screenshot displays the SAP 'Edit Assessment Process' interface. The top menu bar includes 'Assessment Process', 'Edit', 'Goto', 'Settings', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main area is titled 'Edit Assessment Process' and contains a search bar and a tree view on the left with 'Program', 'Module', and 'Assessment' options. The right side shows form fields for 'Object Type' (SC Program of Study), 'Program of Study' (aks_matha), and 'Assessmt(Desc.)' (50072551 aks math assessment). Below these are 'Process Attributes' including 'Acad. Year' (2016 Acad year 2016/17), 'AssessmtSession' (1 Winter semester), 'Sched.Assessmt', 'System Status' (01 Opened), and 'Customer Status'. A 'Process' button is located below the attributes. At the bottom, a table titled 'Assessment Process (1)' is shown with a context menu open over the first row. The table has columns: StudentNo., Assessment, O_Higher-Lvl Obj., No., Year, As., S., Cust., Reasn, and Appraisal ID. The first row contains the value 007000000 in the StudentNo. column. The context menu options are: Complete Process Unsuccessfully, Complete Process Successfully, Cancel Process, Reopen Process, Open Process, and Delete process (highlighted).

StudentNo.	Assessment	O_Higher-Lvl Obj.	No.	Year	As.	S.	Cust.	Reasn	Appraisal ID
007000000	aks_cemath	SC aks_matha	1	2016	1	01			

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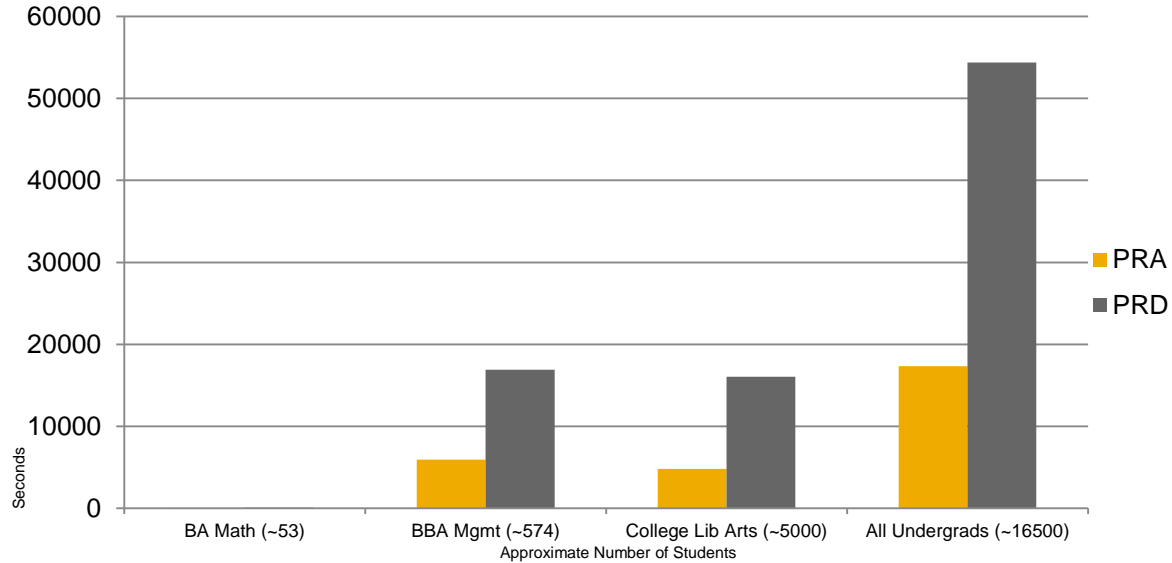


Optimized for HANA

- [Note 2054348](#) – Wave 1
Optimization of SLCM
reports/function modules
- [Note 2140260](#) – Wave 2
Optimization of SLCM
reports/function modules
- Scope of Optimization:
 - FM's
 - Reports
 - BAPI's
- Available since EhP7 SP07

Function module	Data Volume	Time before changes (ms)	Time After changes (ms)	% Improvement
BAPI_STUDENT_GETDETAIL3	5000 students	57,467	24,511	57.3476952
BAPI_STUDENT_GETDETAIL_PERIOD	5000 students	39,630	28,373	28.40524855
HRIQ_MODUL_CREDITS_GET	100 modules	2,283	1,210	46.99956198
HRIQ_STUDY_PROGRAM_GET	5000 students	6,595	1,654	74.92039424
BAPI_STUDENTPROGRESRESULTS_GET	5000 students	23,640	9,263	60.81641286
HRIQ_STUDY_MODULEGROUPS_GET	5000 students	18,462	1,392	92.4601885
HRIQ_PROGRAM_DATA_GET_MULTI	100 programs	1,733	980	43.45066359

HANA optimization: running Degree Audits at University of Mississippi



Comparing Audit runs with no enhancements for HANA

- PRA – Running Audits in HANA
- PRD – Running Audits in SAP Production (non-HANA)

CDS Data Models delivered by SAP

CDS delivered as part of SAP ERP 6.0 EhP7 SP12 release

- Admissions
- Registration data
- Module booking data (with Module data)
- Event booking information (Event and Event package data)
- Specialization information
- Student Progression data
- Student Hold/status information
- Student data

Notes to be applied:

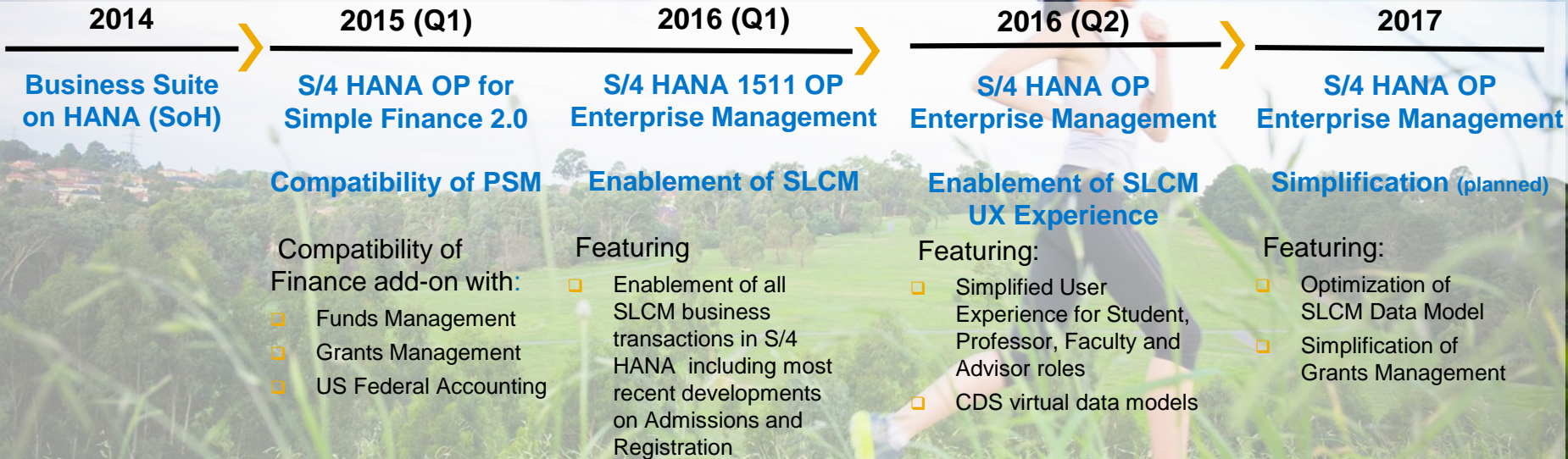
- ✓ 2272075 - Base / Text CDS views for SLCM module
- ✓ 2251457 - CDS views for SLCM module: Admission
- ✓ 2283242 - CDS views for SLCM module (note 3)

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Roadmap SAP S/4HANA On Premise (OP) for Student Lifecycle Management



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Fiori Innovation Highlights: Student Lifecycle Management

Student, Professor, Advisor and Faculty roles



My Courses

- Students can register for courses, add courses to their wish list and view the status of their current registration

My Results

- Students can display a detailed view of their course results

My Timetable

- Students can display his schedule by day, week or month

Track My Degree Requirements

- Students can monitor their grades and other significant appraisals to ensure on-time and successful completion of their degree

My Personal Details ★

- Student can edit their own personal data such as: Address, Health, Disabilities, Bank, Visa information, Relations, etc.

My Advisees

- Advisors can get quick and easy access to the students' grades as well as academic and other relevant contextual information

Student Degree Requirements

- Monitor students' grades and other significant appraisals online to ensure on-time and successful completion of their educational program

Enter Grades

- Allow professors to grade their students for each sub-appraisal and calculate results for the final appraisal.

Student File

- Display and print details of Students' current registrations, examination transcriptions, their educational history and their current administrative and financial status

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Admission and Registration Overview

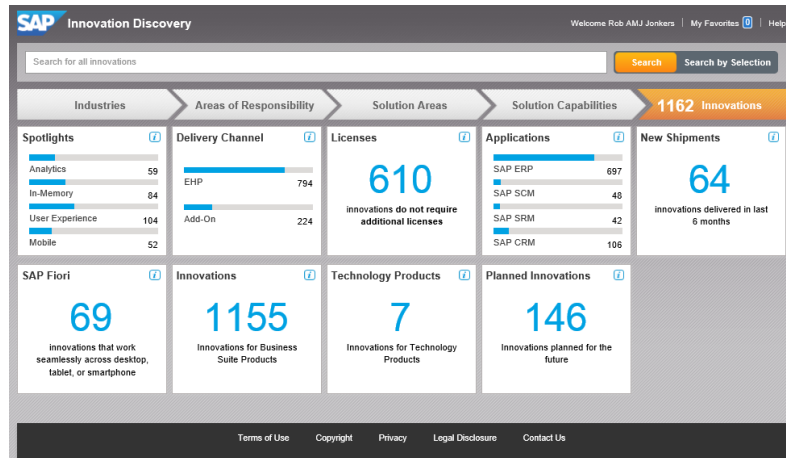
The screenshot shows the SAP Form Designer interface. A large green box with the text "Form Designer" is overlaid on the screen. Below it, there are several form fields and a "Text Only" section with options like "Radio Button" and "Long Text Entry".

The screenshot shows the SAP Admission Decision Overview for James Tester (Admission Decision: 2000001254). A large green sign with a white arrow pointing left and right and the word "DECISION" is prominently displayed. The interface includes a menu bar with options like "Back to Search", "Save", "Cancel", "Verify", "Set Verification Result", "Add to Ranking", "Offer", "Reject", "Eliminate", "Undo Withdraw", and "Additional Status". The "General Data" section shows the applicant's name, application ID, category, and procedure.



The screenshot shows the SAP Request Information interface. It displays a list of requests with columns for "Full time to Part time", "Bachelor in Mathematics", and "To Be Verified". The "Type Of Request" dropdown menu is open, showing options: "Deregistration", "Full time to Part time", "Leave of Absence", and "Change of Program".

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