

SAP Road Map for SAP Solutions for Enterprise Performance Management

PRELIMINARY VERSION

October 2015

Customer

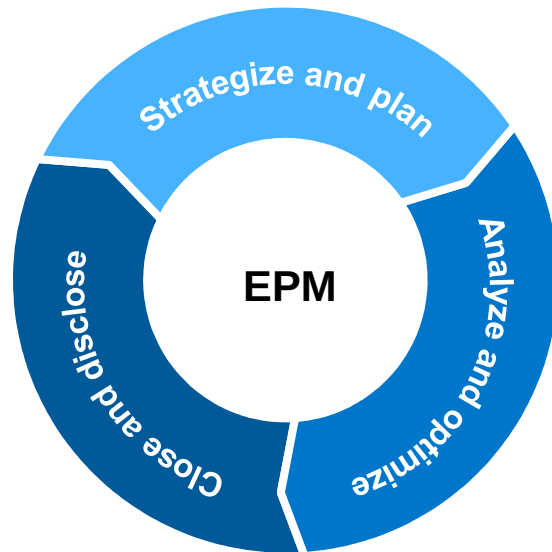


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Overview of the road map for SAP solutions for enterprise performance management (SAP solutions for EPM)



Solution today



Planned innovations



Future direction

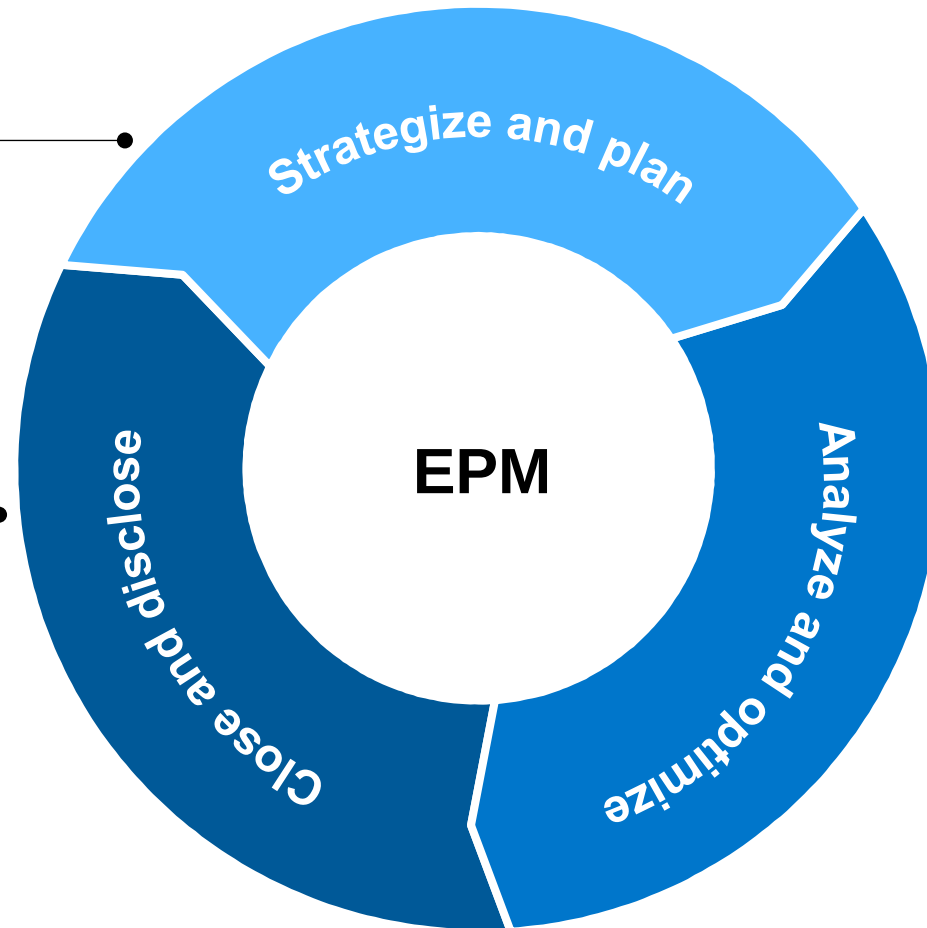
SAP solutions for EPM

Strategize and plan

- SAP Strategy Management application
- SAP Business Planning and Consolidation application
- SAP Cloud for Analytics solution for planning

Close and disclose

- SAP Business Planning and Consolidation
- SAP Financial Consolidation application
- SAP Disclosure Management application



Analyze and optimize

- SAP Cloud for Analytics
- SAP Business Planning and Consolidation
- SAP Profitability and Cost Management application
- SAP BusinessObjects business intelligence solutions

Solution today

EPM for finance

Increase organizational alignment and agility

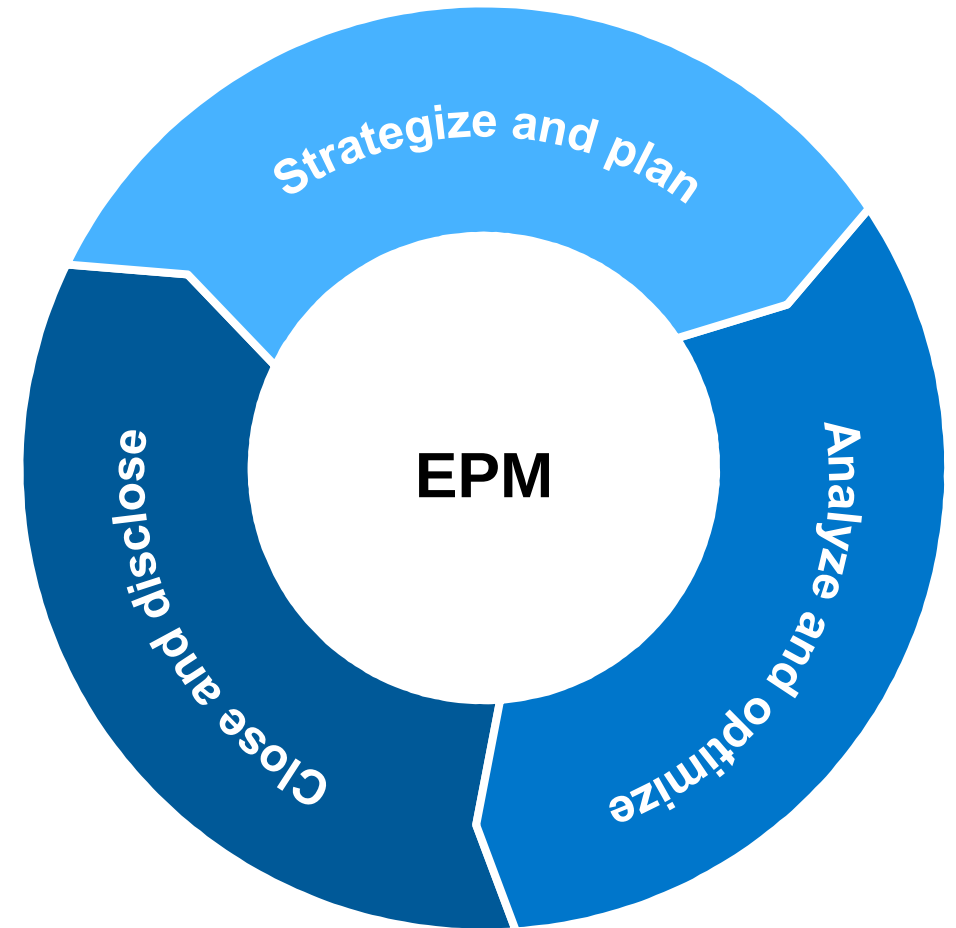
- Set and translate strategy
- Create plans, budgets, and forecasts

Help the enterprise make better decisions that drive profitability

- Analyze performance
- Model and optimize profitability

Deliver a faster, more reliable close-to-disclose process

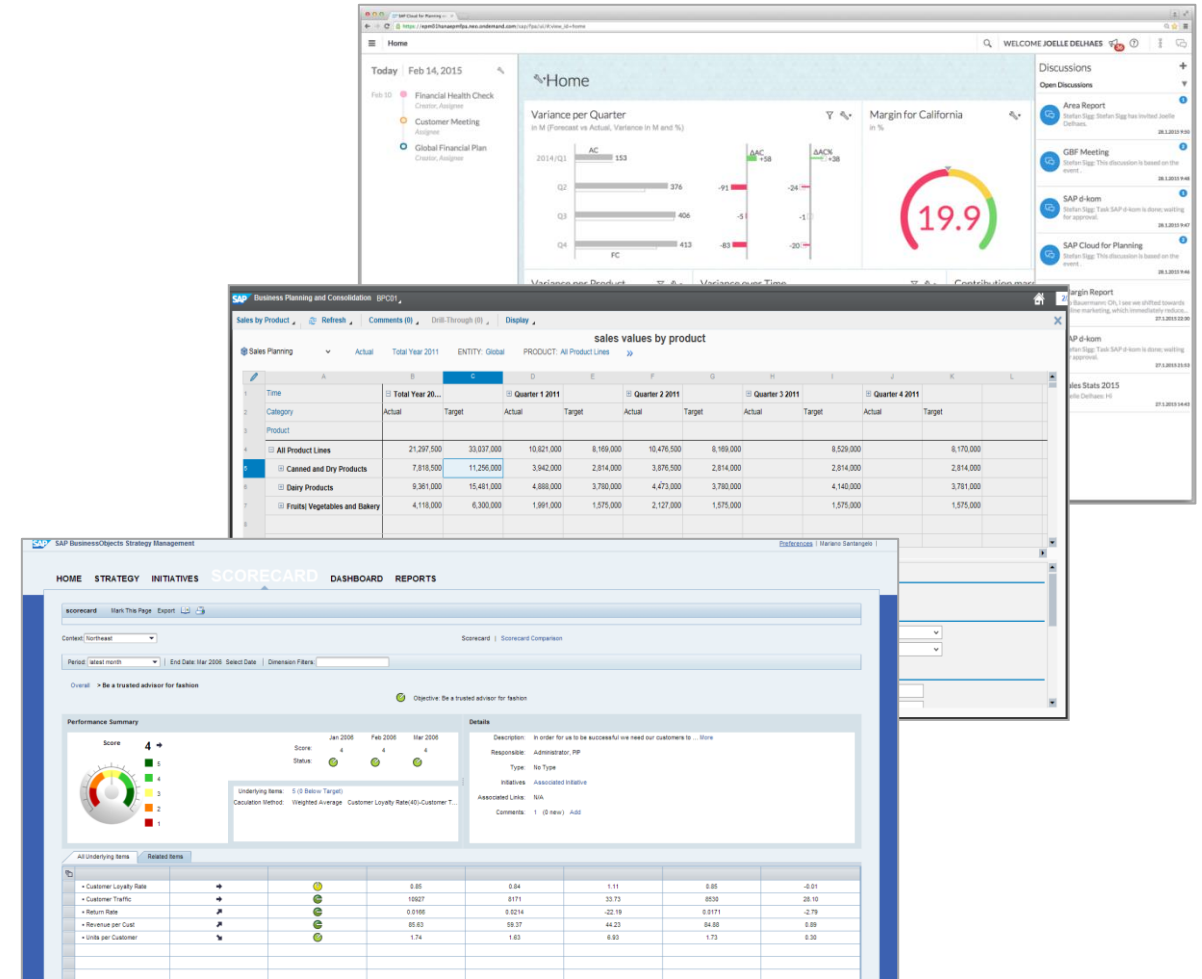
- Prepare consolidated financial statements for management and regulatory purposes
- Disclose financial data to internal and external stakeholders



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Current releases

- SAP Cloud for Analytics
- SAP Strategy Management 10.1
- SAP Business Planning and Consolidation 10.1, version for SAP NetWeaver
- SAP Business Planning and Consolidation 10.1, version for the Microsoft platform
- SAP Profitability and Cost Management 10.0
- SAP Financial Consolidation 10.1
- SAP Disclosure Management 10.1
- SAP EPM Unwired 3.2 mobile app

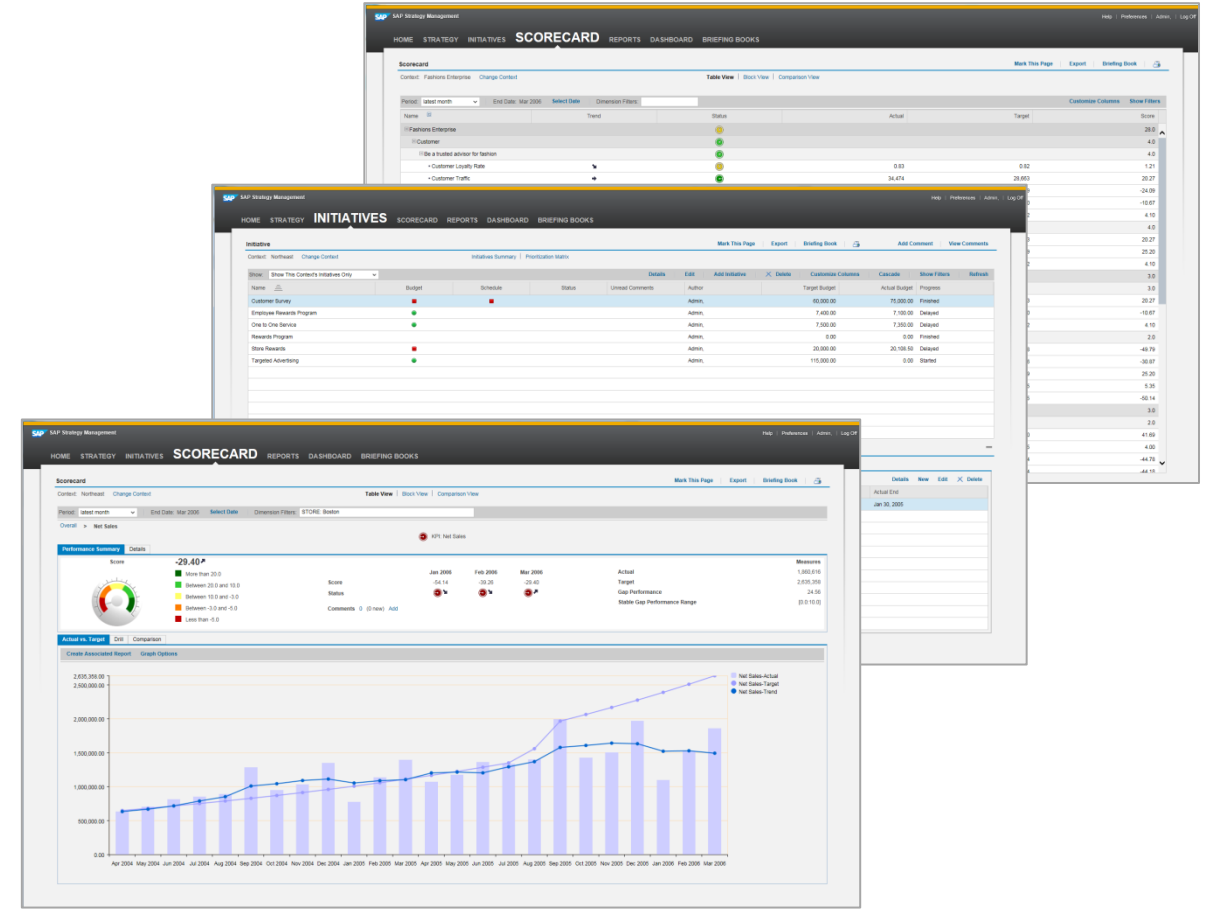


Solution today

SAP Strategy Management 10.1

Improved features and functionality in recent service packs

- File upload capability in associated links
- Comments based on reporting period
- Custom fields in initiatives
- Alerts for subjective assessments
- Support for traditional Chinese
- Ability to search and filter measure list in reports
- Improved briefing book display and navigation



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SAP Business Planning and Consolidation 10.1, version for SAP NetWeaver, powered by SAP HANA

Enhanced analysis and planning capabilities

- Optimize planning functions using the SAP HANA platform for better, more timely decisions
- Use existing integrated planning models in the SAP Business Warehouse (SAP BW) application and benefit from acceleration due to SAP HANA, in addition to new capabilities

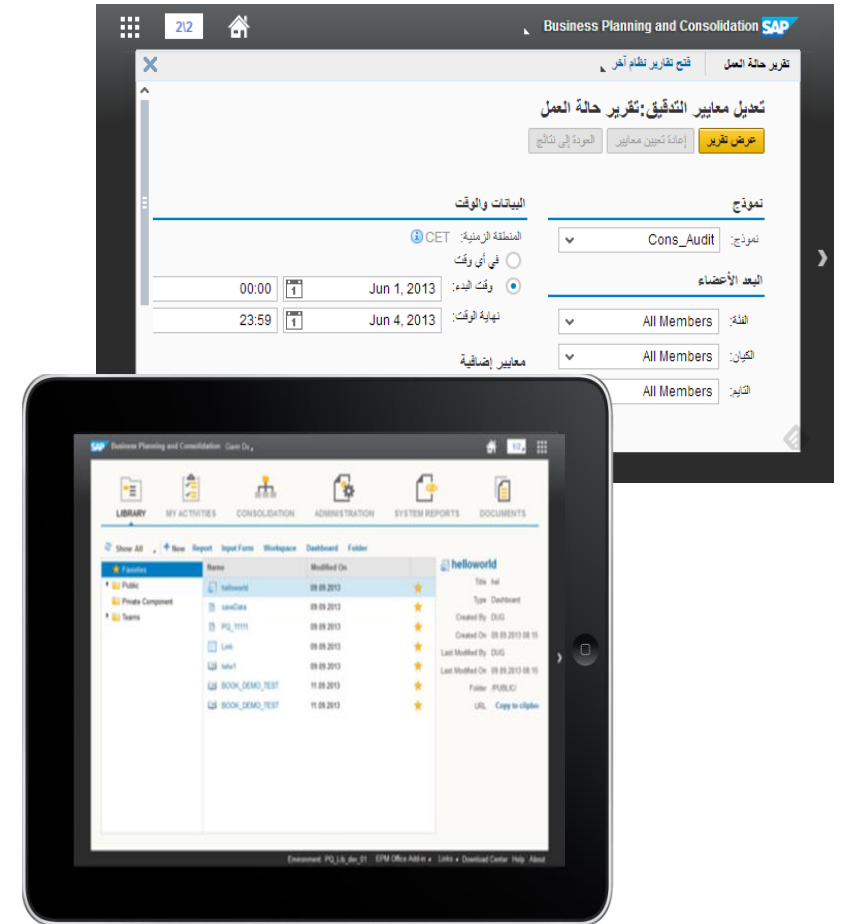
Increased usability

- New HTML5 user interface (UI) supports easier navigation and cross-platform readiness

Lower cost of ownership

- New modeling capabilities have tighter integration into SAP BW and the SAP ERP application
- Deploy with the SAP HANA Enterprise Cloud service with subscription pricing to get up and running faster with lower up-front costs

Bidirectional integration with SAP Cloud for Analytics for planning



Solution today

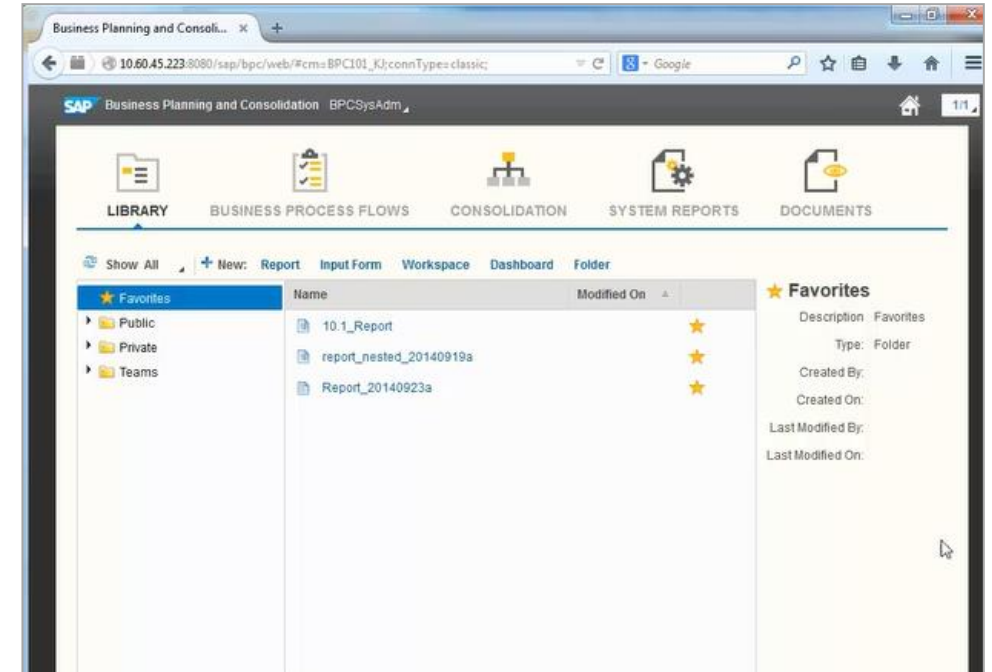
SAP Business Planning and Consolidation 10.1, version for the Microsoft platform

Increased usability

- New HTML5 UI supports easier navigation and cross-platform readiness
- New Web report and input form capabilities now available

Enhanced support for automated variance analysis

Bidirectional integration with SAP Cloud for Analytics for planning



Solution today

SAP Cloud for Analytics for planning

Generally available
November 2015

Includes all SAP Cloud for Analytics core capabilities plus:

Feature	Feature Value
• Reports • Key performance indicators (KPIs) and events • Allocations and spreading • Excel formula–like calculations • Private sandbox in memory–based what-if analysis • Year-to-date reporting • Alternate hierarchy support • Basic currency translation support • Built-in financial intelligence for aggregation methods and signing based on account types • Planning directly with public versions and un-booked values • Enhanced currency translation and rate model support • Enhanced flexibility to model changes after creation • Entering and reporting on cell-based commentaries • Enhanced calculated measure support • Data locking to prevent changes after submission • Members on the fly • Support for flexible definition of fiscal periods	• Enhanced library of calculations for users to drive planning scenarios • Increased flexibility in planning and simulation for end users through ability to add master data members and alternate roll-ups • Better analysis abilities by further customization of reports, dashboards, and traceability of source information

Solution Today

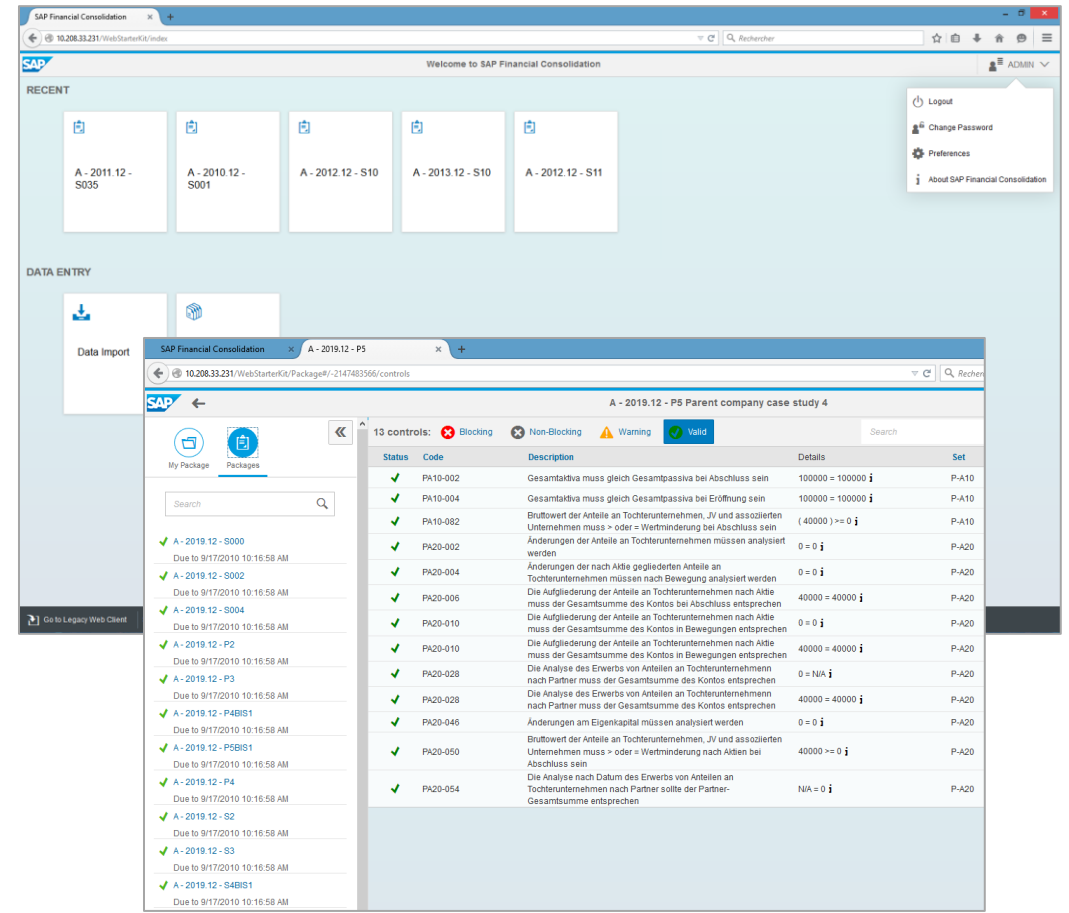
SAP Profitability and Cost Management 10.0

- Export of results from SAP Profitability and Cost Management to SAP HANA
- Improvement in reporting time and analytics calculations
- Use of net-margin analysis schema built into SAP HANA for faster deployment
- Increased usability and productivity with Microsoft Office (Excel) write-back
- Ability to work directly in the EPM add-in for Microsoft Office Excel interface
- Easier transfer of data from SAP Business Planning and Consolidation to SAP Profitability and Cost Management using copy and paste
- Application of rules directly in Excel (for example, calculation of drivers)

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SAP Financial Consolidation 10.1

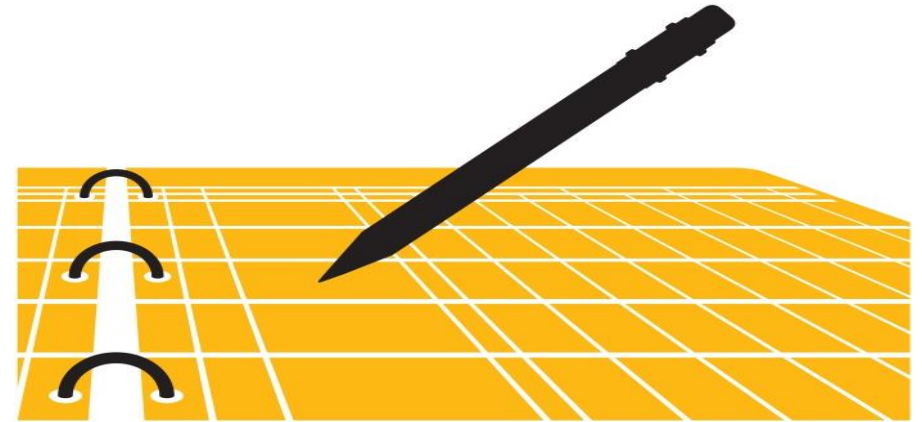
- Rejuvenated Web UI, including complete HTML5 redesign, multi-browser compliance, multi-tab readiness, tile-style home page, easy access to package and controls, and Google-like search for simplified and smoother application
- Product code lines updated according to the new 64-bit standard, going beyond 1.4 GB IIS limit, with almost no memory constraints anymore, for increased Web stability and performance
- New Web printing client, which requires no additional licensing, embedded in the product as well as part of the product setup



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SAP Disclosure Management 10.1

- New user experience (UX) for U.S. SEC reporting
- Transport – Export and import objects from one system to another (for example, workflows, report types, period settings)
- Single sign-on via Windows logon and Security Assertion Markup Language support
- Regular Common reporting (COREP), financial reporting (FINREP), and Solvency II updates
- Report to view all authorizations in place for a given period
- Improved Excel-to-Word data linking
- Black-lining support
- Support for HM Revenue & Customs inline eXtensible Business Reporting Language (iXBRL) filing



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SAP EPM Unwired 3.2

Support for Web reports for SAP Business Planning and Consolidation 10.1, version for SAP NetWeaver

- Support for both standard model and embedded model
- Backward support for Web reports for SAP Business Planning and Consolidation 10.1, version for SAP NetWeaver

Support for SAP Strategy Management (enterprise insight)

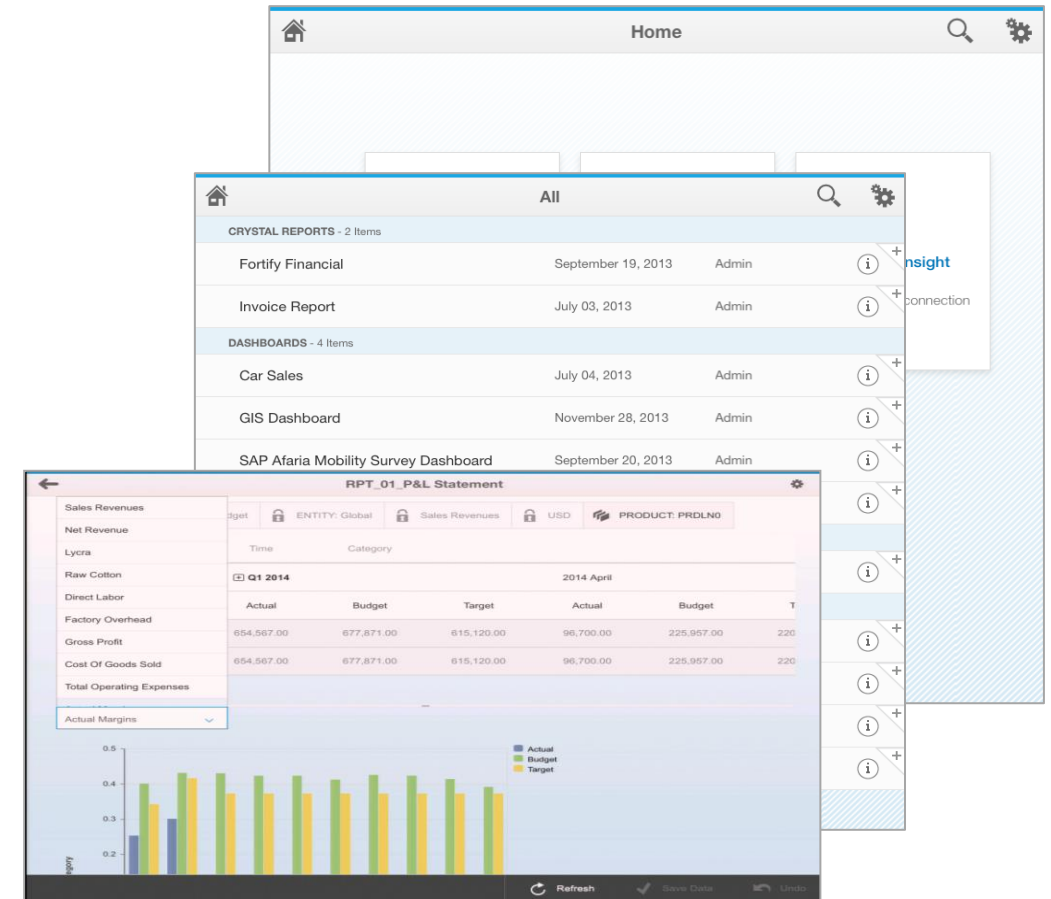
- Wizard-driven deployment

Support for SAP BusinessObjects Mobile software, versions 4.0 and 4.1

Customizable and extensible

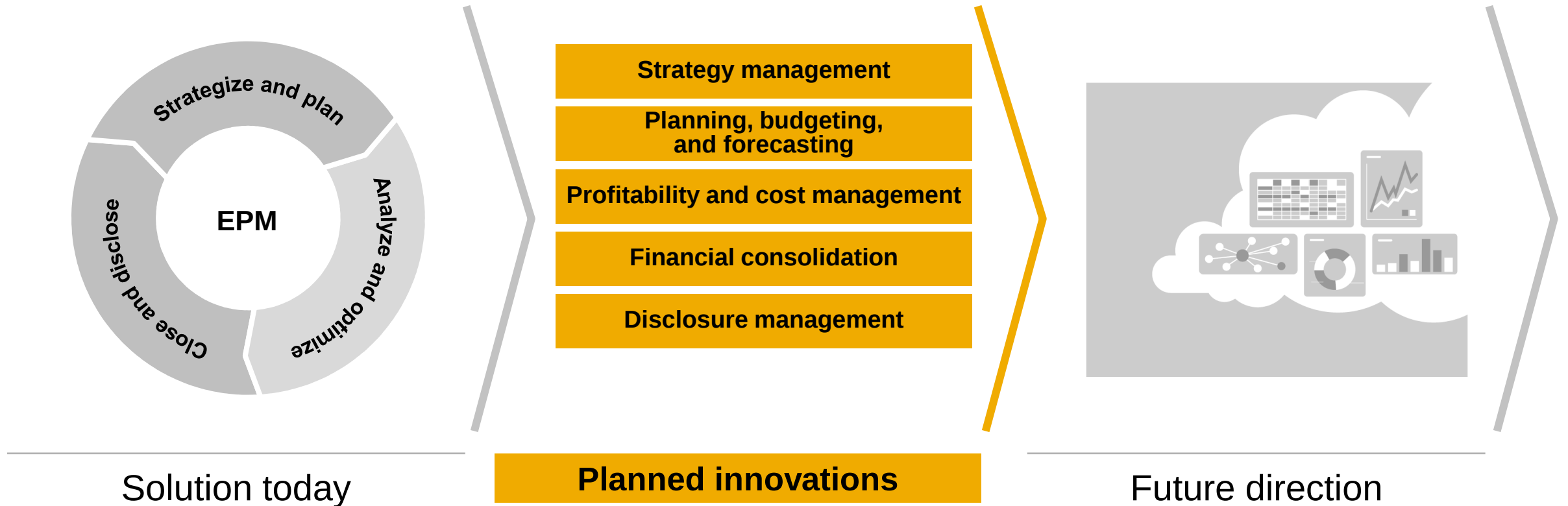
- Support for any HTML5 Web application

SAP Fiori UX design



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Overview of the road map for SAP solutions for EPM



SAP Strategy Management

Scope

- Support for SAP HANA as relational database management system
- Unlimited levels of sub-milestones in initiatives
- Gantt chart in initiatives
- Filter on multiple contexts in initiatives
- XML for Analysis support in SAP BusinessObjects business intelligence solutions tools
- Briefing book improvements

Key benefits

- Lower total cost of ownership
- More granular initiative reporting
- Better data visualization
- More flexibility in initiative filtering
- Improved external reporting
- Improved offline reporting

Planned innovations

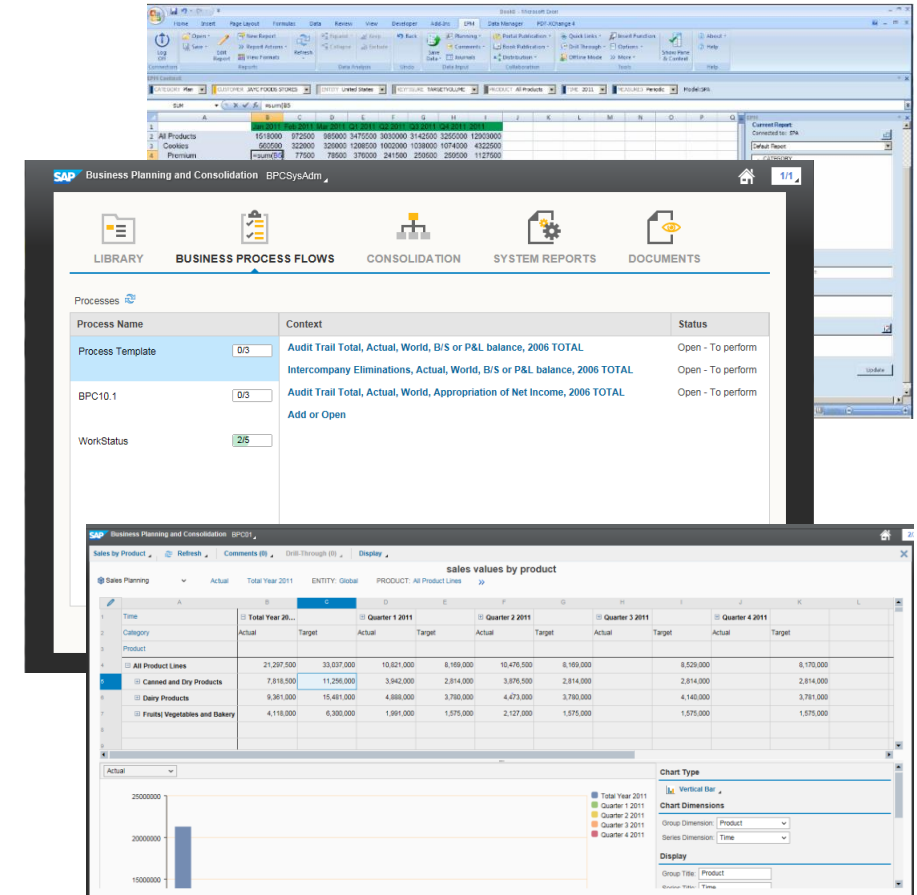
SAP Business Planning and Consolidation, version for Microsoft

Scope

- Advanced consolidation monitor
- Custom branding support
- Incremental consolidation
- Matrix consolidation
- Controls monitor
- Advanced business process flow
- Ability to open Excel reports from workspace
- Support for Chrome and Microsoft platform updates
- Support for mobile app

Key benefits

- Single place for customers to run and monitor all consolidation tasks, providing greater visibility
- Promoting customer's own brand in end-user experience
- Better performance and productivity to run consolidation when data changes, reducing time to close
- Easier way to run both legal consolidation and management consolidation by sharing same model and data
- Exception-based validation with greater control and visibility, enhancing accuracy
- More powerful and flexible process flow for planning and consolidation activities
- Greater productivity by allowing business users to group relevant reports together for frequent use under the same business context
- Broader adoption, better performance and scalability by leveraging mainstream and latest technologies
- Broader adoption and increased engagement by leveraging mobile devices



Planned innovations

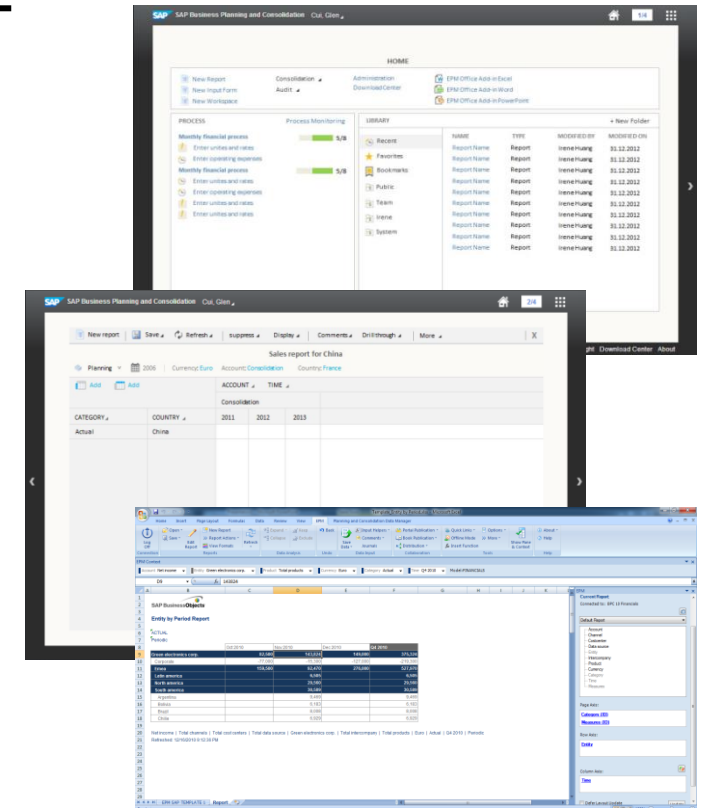
SAP Business Planning and Consolidation, version for SAP NetWeaver

Scope

- Real-time consolidation
- End-to-end line-of business (LoB) modeling
- Enhanced journal
- Advanced consolidation monitor
- Advanced incremental consolidation
- Continuous UX improvements
- Advanced comment
- Integration with predictive analytics
- Integration with SAP BusinessObjects Design Studio and SAP Lumira software
- Continuous office client convergence
- Integration between SAP Business Planning and Consolidation and SAP Disclosure Management

Key benefits

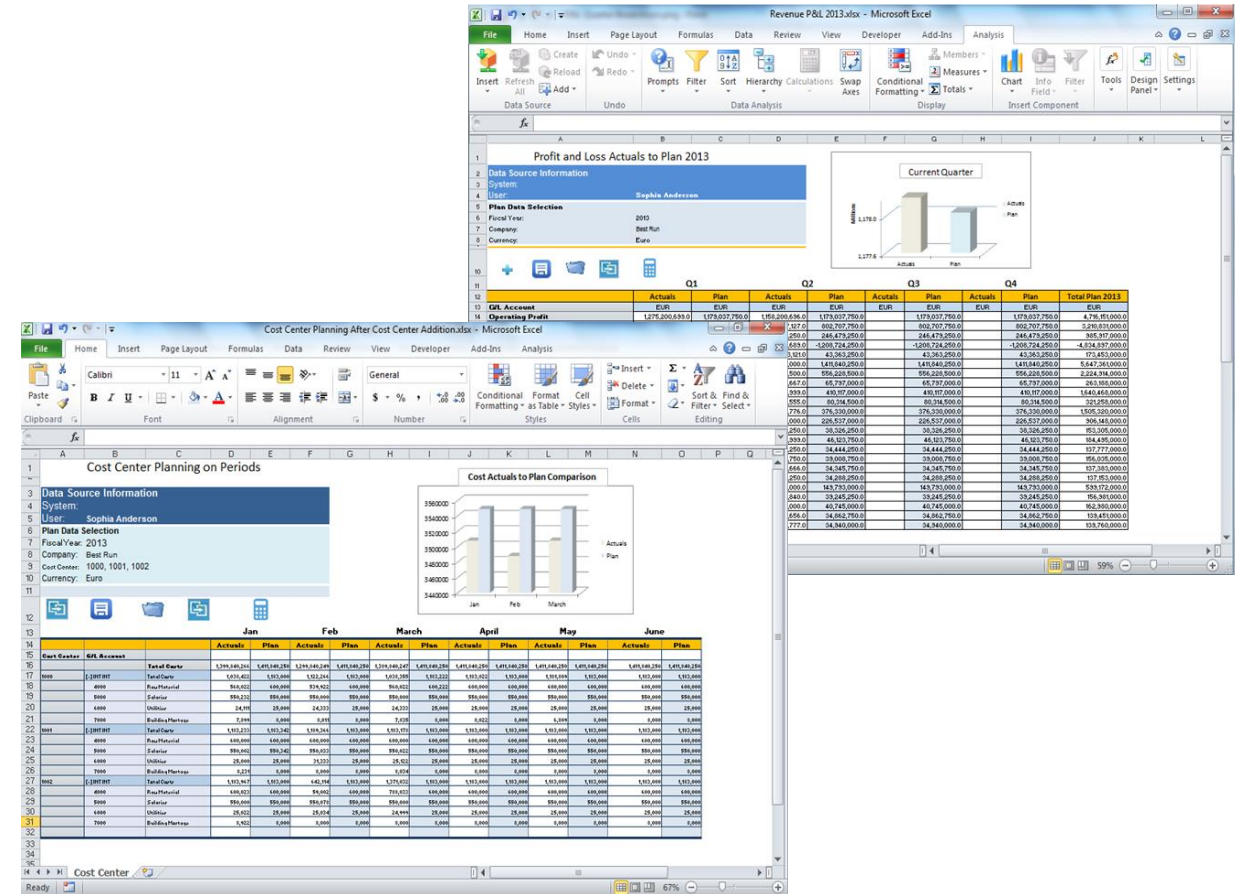
- With consolidation on SAP Business Planning and Consolidation embedded, customers can perform financial consolidation on real-time actual data from SAP S/4HANA without data replication
- Enables business users to easily define and execute their own planning scenario with reduced IT involvement
- Improved journal posting usability with new multiple journal templates and journal validations
- Customers can improve efficiency by defining consolidation-related tasks in the consolidation monitor
- Enhanced record-based incremental consolidation to reduce consolidation time
- Refined UX for better usability and performance on SAP Business Planning and Consolidation HTML5 Web client
- Full commentary capabilities, enhancing complex planning processes
- More accurate planning with user-friendly predictive capabilities using the predictive analysis library in SAP HANA
- Able to easily build and deploy mobile-enabled analytical applications, leverage existing investments
- Converged office client providing harmonized UX for both SAP Business Planning and Consolidation standard and embedded
- Seamless data integration to SAP Disclosure Management



Planned innovations

SAP Business Planning and Consolidation optimized for SAP S/4HANA Finance

- Simulation of cost assessments
- Web-based planning UI
- Activity-type planning
- Tariff calculation
- Sales and profitability planning
- Driver-based planning
- Investment planning
- Integration between profit and loss and balance sheet planning via BRF+ (business rules framework)
- Product cost simulation
- Integration with SAP Integrated Business Planning, version for SAP NetWeaver, for sales and operations planning



Planned Innovations

SAP Cloud for Analytics for planning

Planning-specific innovations (in addition to planned innovations of core capabilities of SAP Cloud for Analytics):

Feature	Feature Value
Baseline and power-planner features • Embedded predictive forecasting • Conditional formatting in reports • Merging reports, stories, and dashboard items into a single object • Entering and reporting cell-based commentaries • Locking of data • Creating members on the fly	• Use sophisticated forecasting and modelling to prioritize future business activities • Allow for precise composition of data visualization • Highlight results of data points through text functionality • Secure data sets through locking to prevent changes after submission • Increase flexibility in creating perspectives as part of planning process
Data connectivity • Bidirectional integration with SAP Business Planning and Consolidation, version for SAP NetWeaver, embedded model • Integration with other cloud solutions from SAP (for example, SAP Cloud for Customer) • Remote data access for SAP HANA, SAP BW, and SAP S/4HANA	• Optimize your business with data from more sources
Packaged applications and extensions • Sales planning • Marketing planning • Headcount and compensation planning • Partner-led industry-specific solutions	• Deploy pre-packaged applications tailored to your business

This is the current state of planning and may be changed by SAP at any time.

Planned innovations

SAP Cloud for Analytics for planning

Planning-specific innovations (in addition to planned innovations of core capabilities of SAP Cloud for Analytics):

Feature	Feature Value
Calculations and workflow • Currency translation simulations • Enhanced library of functions and formula engine support, including lookups • Additional workflow and enhanced monitoring enhancements	• Simulate on various sets of exchange rates to optimize exposure • Improve calculations for formulas and filter values • Enable visual composition of task sequencing and locking of data regions

This is the current state of planning and may be changed by SAP at any time.

Planned innovations

SAP Profitability and Cost Management

Scope

- Additional operating system platform support
- Extended database platform support
- Extended capabilities for export to SAP HANA
- Faster reporting on virtual measures in-memory
- Improved import speeds for core dimension hierarchy members
- Sorting of members in attribute hierarchies
- Visual indicators for bill of materials (BOM) makeup overrides

Key benefits

- Broader accessibility
- Improved performance and usability of models and reports
- Easier to build larger models with data sourced from systems outside of SAP Profitability and Cost Management
- Increased visibility for BOM model builders to quickly see where the makeup of a product has been overridden

Planned innovations

SAP Financial Consolidation

Scope

- Continuous enhancements to complete new Web-based HTML5 UI
- Enhancements to user management through Customer Connection Program co-innovation with SAP User Groups, resulting in the delivery of additional data access group features
- Refined SAP HANA real-time reporting, including augmented scope of capabilities for rollups, through full leverage of SAP HANA support pack stack 09+ enhancements on calculation views
- Interoperability with SAP S/4HANA Finance add-on for SAP Business Suite powered by SAP HANA 2.0
- Platform support, including Microsoft SQL Server 2014, Windows 10, and Microsoft Edge

Key benefits

- New Web UI, enabling easier and more intuitive use
- Ease of maintenance and greater visibility into user authorizations, resulting in reduced time and cost to maintain and improved control and compliance
- Increased functional scope of real-time reporting on SAP HANA and streamlined SAP HANA information views creation as a result of SAP HANA evolution
- Upstream connectivity with the reimagined SAP Business Suite, in particular for data load from SAP ERP to the consolidation application
- Continuous support for the latest Microsoft technology stack, operating system, and browser

Planned innovations

SAP Disclosure Management

Scope

- Automatically executing a refresh on a report date predetermined by the user
- Support for archiving of periods
- Enhancements to e-mail notifications
- Ability to integrate data from SAP HANA
- Integration between SAP Business Planning and Consolidation and SAP Disclosure Management

Key benefits

- Save time by automating the process and eliminating the repeated need for users to manually refresh information
- Reduce database size by enabling administrators to selectively archive periods of data
- Increase stakeholder visibility by automatically notifying designated users of report preparation progress, including explanations and comments
- Leverage data from SAP HANA in SAP Disclosure Management
- Have full data integration to SAP Disclosure Management

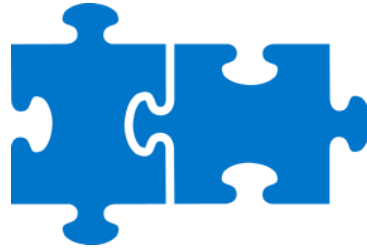
Planned innovations

Our focus



Lead

Lead the market with continuous investment in SAP solutions for EPM 10.X



Integrate

Embed SAP BW integrated planning capabilities into SAP Business Planning and Consolidation, version for SAP NetWeaver, and integrate with SAP S/4HANA Finance

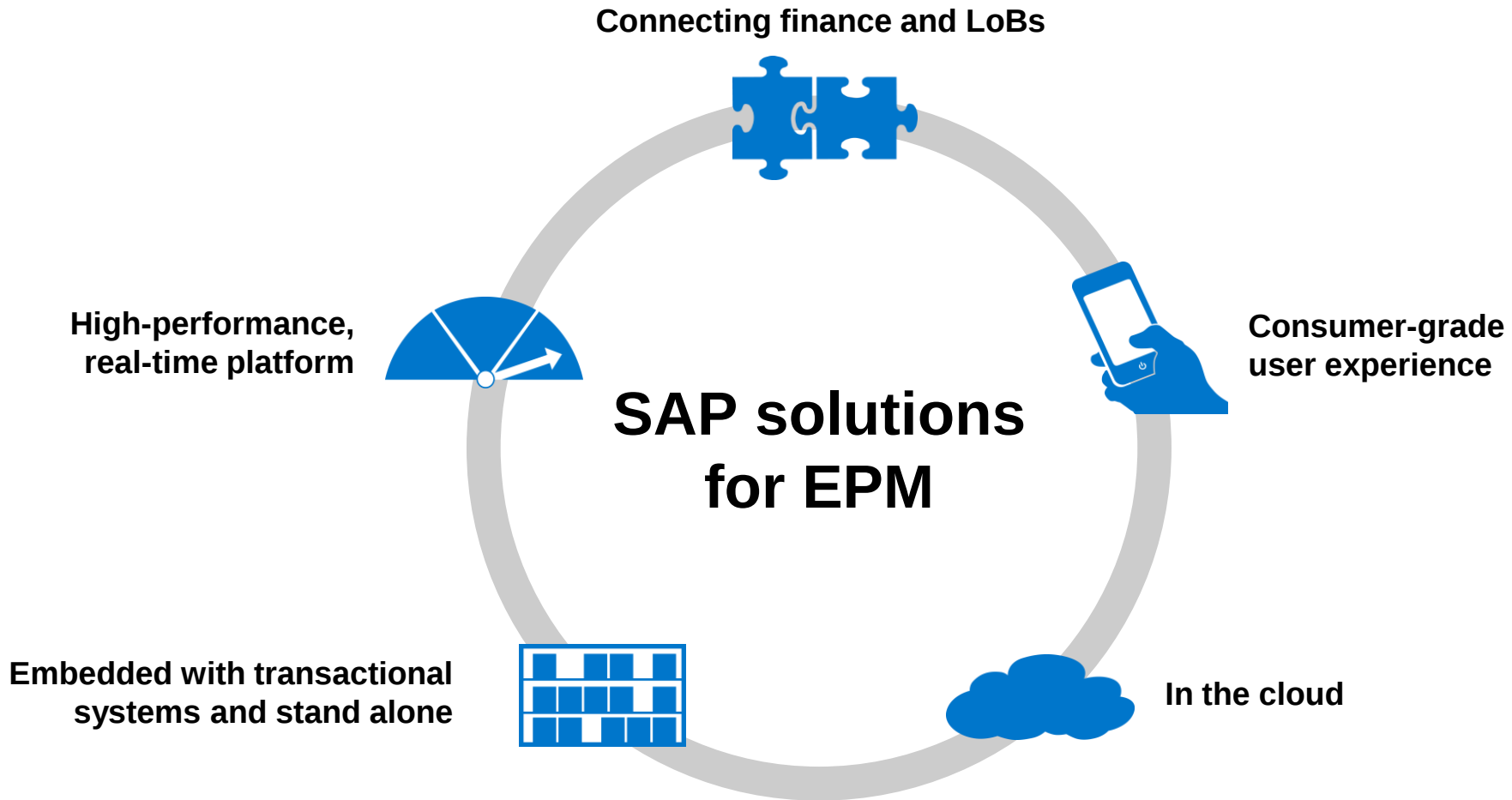


Innovate

Innovate with new EPM capabilities built natively on SAP HANA Cloud Platform

Future direction

Our vision for EPM



Future direction

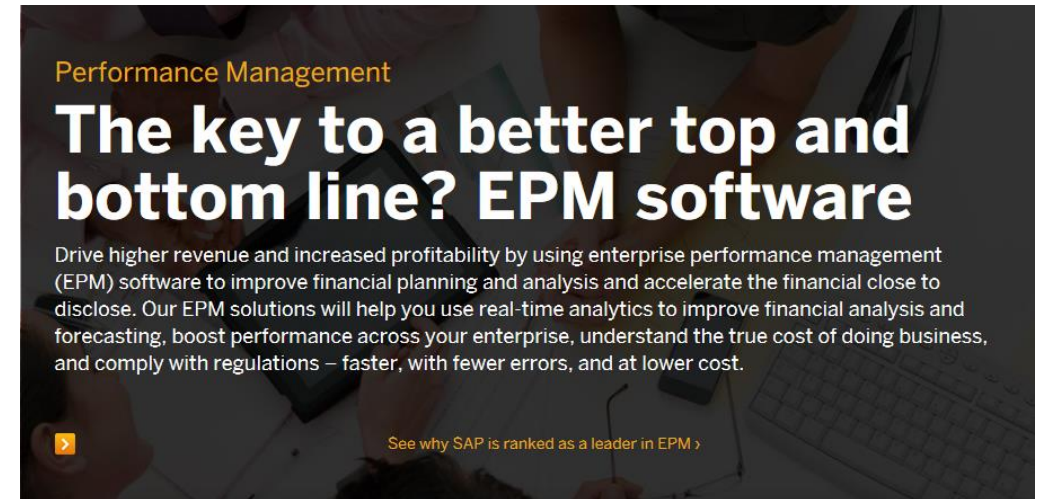
For more information about achieving financial excellence with SAP software

EPM

- Explore our enterprise performance management solutions on the global SAP Web site.
http://global.sap.com/analytics/index.html#section_3

Finance solutions

- Browse our pages dedicated to finance solutions, and learn how SAP S/4 HANA Finance provides a comprehensive portfolio of solutions that address the needs of CFOs to a broad set of roles across the finance function – offered in any choice of deployment (on premise, cloud, or hybrid). By unifying transactional and analytical processes, SAP enables the next phase of finance transformation by delivering strategic value and instant insight across real-time processes. <http://discover.sap.com/finance-solutions>



Performance Management

The key to a better top and bottom line? EPM software

Drive higher revenue and increased profitability by using enterprise performance management (EPM) software to improve financial planning and analysis and accelerate the financial close to disclose. Our EPM solutions will help you use real-time analytics to improve financial analysis and forecasting, boost performance across your enterprise, understand the true cost of doing business, and comply with regulations – faster, with fewer errors, and at lower cost.

[See why SAP is ranked as a leader in EPM >](#)



SAP Finance Solutions

Companies stay one step ahead with SAP Finance Solutions

SAP Simple Finance is the most comprehensive portfolio of solutions that address the needs of CFO's to a broad set of roles across the finance function offered in any choice of deployment (On-premise, Cloud, or Hybrid). By unifying transactional and analytical processes, SAP enables next phase of Finance transformation by delivering strategic value and instant insight across real-time processes.

[Achieve Financial Excellence with Finance Solutions from SAP >](#)

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https://www.youtube.com/user/SAPBusinessObjects/playlists?shelf_id=15&view=50&sort=dd



<http://cfoknowledge.wordpress.com/>



<http://scn.sap.com/community/business-trends/blog>



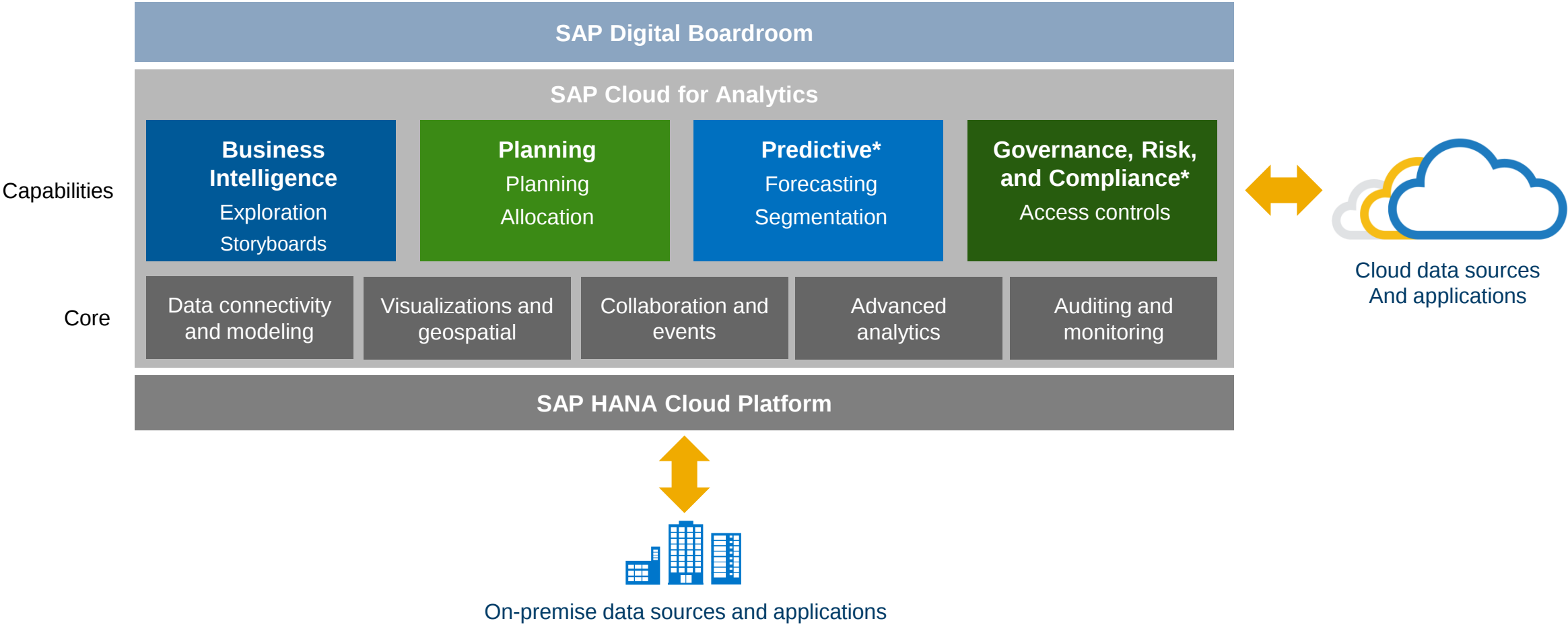
<http://blogs.sap.com/analytics/>



Thank you

Appendix – SAP Cloud for Analytics core capabilities

SAP Cloud for Analytics overview



* Planned

SAP Cloud for Analytics – core capabilities

Generally available
November 2015

Feature	Feature Value
Collaborative analysis and planning	
- Personalized home screen - Preparing and enriching data from the browser - Discussion and sharing	- Create personal place in which you can organize your data, such as in charts, reports, events, and notes - Organize and structure your work with built-in chat and workflow functionality - Share report versions, discuss on cells, assign tasks, and attach any file you uploaded
Data connectivity	
- SAP data sources: SAP HANA, SAP BW, SAP S/4HANA - Support for Oracle, SQL Server, Teradata through SAP HANA smart data access technology - Planning data sources: SAP Business Planning and Consolidation , version for SAP NetWeaver; SAP Business Planning and Consolidation , version for the Microsoft platform - Static data sources: CSV, XLS - Cloud data sources: salesforce.com - Data linking	- Connect to on-premise SAP S/4HANA, SAP HANA, or SAP BW systems without data replication - Leverage the native analytical capabilities of SAP software systems (hierarchy navigation, calculated KPI) - Have bidirectional integration with SAP Business Planning and Consolidation, version for SAP NetWeaver, and SAP Business Planning and Consolidation, version for the Microsoft platform - Analyze your cloud data stored in salesforce.com - Prepare and enrich data from the browser – no desktop required - Link together multiple data sources in a single visualization to discover insight previously hidden in separate data silos

Solution today

SAP Cloud for Analytics – core capabilities

Generally available
November 2015

Feature	Feature Value
Visualization and storytelling	
• Hichert Professional Charting Standards • Conditional formatting, reference lines • Global story and linked analysis filters • Performance trend with value comparisons • Range slider • Advanced report formatting and print to PDF support	• Display clear, professional visualizations designed for business • Apply context-specific visualization proposals • Create, personalize and monitor KPIs • Zoom into important data segments using the range slider
Administration	
• SAP ID service and Windows Active Directory Single Sign-On • Simple usage monitoring • User and team management • Version management	• Integrate with your existing security infrastructure • Manage user permissions and roles from a simple Web console • Monitor and audit system usage for regulatory and business compliance • Have greater language support and further granularity on security authorizations

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SAP Cloud for Analytics – core capabilities

Feature	Feature Value
Enhanced analytics - Predictive services and analytics - Advanced geospatial analytics - Animation and playback - Custom calculations - Annotations	Provide innovative new data-exploration techniques to make it easier to get value from your data
Enterprise readiness - Application embedding - Standardization (templates, branding) - Drill-through from chart to source system	Integrate SAP Cloud for Analytics into more business workflows

This is the current state of planning and may be changed by SAP at any time.

Planned innovations

SAP Cloud for Analytics – core capabilities

Feature	Feature Value
Location analytics • Layer management and custom feature layers • SAP HANA spatial queries • Custom regions	• Use geographic information to optimize business processes and display detailed results on a high-quality, easy-to-understand map • Discover new insights into your business by bringing together existing geospatial assets with your business data
Big Data • Hadoop connectivity, including Spark-based SAP HANA Vora software • Big Data optimized charts • Additional on-premise data sources without replication in the cloud • Cloud data sources – Salesforce.com, Workday, Ariba, Hybris, Fieldglass, SuccessFactors, social data Web services	• Optimize your business by connecting to nearly any data source
Extended mobility support • UX optimization for mobile devices • Enhanced capabilities on native mobile app • Native iPad app support	• Plan and optimize your business from your mobile device

This is the current state of planning and may be changed by SAP at any time.

Planned innovations