

Power of Your SAP ERP Extended

- Approvals on your Mobile Device



mApprove Advantage

ARTERIA

THE BEST-RUN BUSINESSES RUN SAP™



Agenda



- Arteria Technologies – An Introduction
- mApprove Advantage – Value Proposition
- Features
- Demo
- Technical Architecture & Implementation Details
- Case Study
- Summary

INTRODUCTION

- An SAP Software Solution and Service Partner based out of International Tech Park, Bangalore.
- Arteria is exclusively focused on Services and Products on SAP NetWeaver platform and help customers leverage the potential of SAP Net Weaver.
- We have over 150 SAP consultants based covering Technical and Functional skills
- Management team is **ex-SAP Labs** with several years of development, implementation and consulting experience.
- Key members holds patents in Financial Services domain (during their tenure with SAP).
- ISO 9001:2000 and ISO 27001:2005 Certified on all SAP projects, Arteria is on its way to achieving SEI CMM Level 3 Certification.

CREDENTIALS

- SAP NetWeaver Services partner in India.
- Awarded the “Best SAP NetWeaver Process Integration Partner 2007” for APJ.
- First and only partner to have a SAP certified NetWeaver Mobile Client
- SAP ISV with certified products and xApps Partner. Solutions have been developed with SAP India’s guidance and are certified by SAP Labs.
- SAP Co-Innovation Labs (COIL) partner in Bangalore.
- Arteria engages with SAP Labs and RIG for product feedback and enablement in emerging technologies like Interactive Forms and NetWeaver Mobile.
- SAP ePartner Certification solution Provider (Helps ISV in development and certification of their products).





NetWeaver based Products

- SupplierConnect Advantage
- DealerConnect Advantage
- SecondarySales Advantage
- Interactive Advantage
- Dashboards Advantage

Products on Mobile

- mApprove Advantage
- mDashboards Advantage
- mSalesForceAutomation Advantage

Productized Services

- ECM Advantage
- EDI Advantage
- SolMan Advantage

SAP NetWeaver Expertise

- SOA Consulting
- SAP NetWeaver Process Integration & B2B EDI
- SAP NetWeaver BW, CE, Portal, Mobile and MDM

Solution Extensions Expertise

- SAP Interactive Forms by Adobe
- SAP Archiving and Document Access by Open Text
- Seeburger EDI Adaptors
- Test Data Migration Server (TDMS)
- SAP BusinessObjects

Other Expertise

- SAP ABAP Custom & RICEFW Development
- SAP BASIS Services
- SAP Technical Upgrade
- Post Go-Live technical support

Customers



ADANI



Noida Power Company Ltd.





Business Problems

- Business Workflow Approvals are delayed as the actor of the process are mobile
- Delay in approvals for key processes like PO Release can have adverse impact on business

Solution – mApprove Advantage

- Generic Approval Framework & UI for handholds that enables mobile user to do approvals in offline and on demand mode
- Existing Investments Protected as solution integrates with any existing workflow
- Rapid Go-Live with pre-delivered configuration for PO Release, PR Release, Leave Request, Sales Order and Travel Request Approval
- Extends SAP and non-SAP approval workflows to popular S60(Nokia, Sony Ericsson) & Blackberry and Windows devices

Business Problems

- No framework for mobilizing multiple business workflow approval using single application
- Limited number of Enterprise Applications support all Blackberry, S60 (Nokia, Samsung, Sony Ericsson etc), and Windows Mobile Devices

Technology

- SAP Netweaver Mobile 7.1
- Device Applications on native device languages
 - S60 – J2ME (LWUIT)
 - Blackberry – BB API/s based on J2ME
 - Windows – .Net Compact Framework
- Compatible with SAP ERP (Any version) or SAP R/3 and can support non SAP backend as well using SAP PI

Functions

- The solution provides a generic framework that can mobilize all SAP/Non SAP and Workflow and Non Workflow based business processes
- As a part of the solution the following pre-delivered configuration is provided:
 - Leave Request
 - Travel Request
 - Purchase Requisition Release
 - Purchase Order Release Request
 - Sales Order Approval
 - Material Price Approval

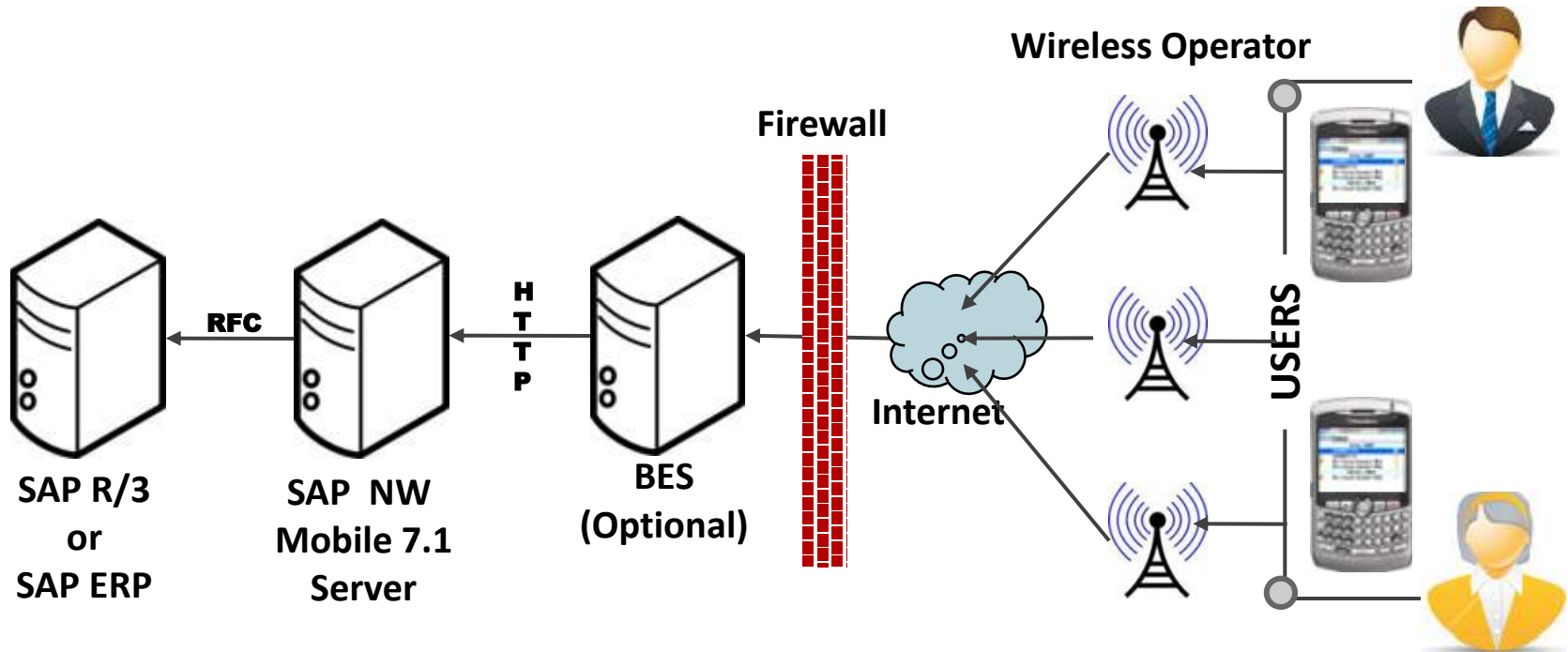
Features

- Works seamlessly on Blackberry, S60(Nokia, Samsung, Sony Ericsson), & Windows based mobile devices
- Easy to use & consistent User Interface for all devices
- Works with your existing SAP ERP
- Secure, reliable, flexible & scalable for future enhancements

DEMO



Technical Architecture & Implementation Details



Solution Implementation

- Easy to deploy (Rapid Go-Live) in 1 month
- Easy to enhance and add new workflows
- Can be extended to all Mobile Device platforms

Security

- Authorization framework – Adheres to SAP Authentication schemes
- Monitoring tools to track flow of data between the mobile device and mobile server
- Transmission of data over secure channel

Device Management

- For BES installations, the device management is configured using native features.
- For non-BES scenarios and additional security, SAP NetWeaver Mobile Device Management and Arteria's Mobile Advantage platform have features to secure business critical data

Security Scenarios

Scenario	Features
Device Left Unattended or falls in wrong hands	Application Password
Employee Resigned without Proper Exit or absconding along with the device	User Validity Check on Application Login to check if the user is still a valid employee
Device Lost	User Validity Check on Synchronization to check if the user is still a valid employee
Device Stolen	SIM Validity Check to ensure that only authorized SIM cards are allowed.
Trojan Software on Device	Signing the persistent Store

Case Study: India's leading business house and conglomerate



Description

Workflows are configured in SAP ERP but executives are on the move & cannot connect to corporate network to process the work items.

Existing Challenges

- Business Workflow approvals are usually carried out by colleagues / assistants for executives on the move.
- SAP and non-SAP system in the landscape.

Achievements

- 3 weeks go-live for key 50 executives including CMD.
- Integration to their DotNet based Leave scenario
- Custom UI as per requirements



Description

Workforce is on the field and would like to enable multiple channels of access to SAP ERP including mobile.

Existing Challenges

- Unable to leverage SAP implementation and provide full benefits to their employees.
- No standardization: several types of mobile devices are being used within the organization.

mApprove Advantage: Benefits Summary



mApprove is a SAP Netweaver Mobile 7.1 based Inbox for all your approval tasks like Leave Request, Travel, PO Release, etc. No need to connect to your corporate network from your computer, approval tasks will be now be pushed to your mobile for immediate action. The application is supported on the popular Symbian S60 devices like Motorola, Nokia, Sony Ericsson, LG, Samsung, etc. and smart phones from Blackberry and Windows Mobile.



Approvals on Mobile

- Mobile Approval Inbox: Get all approvals on your mobile
- Intuitive: The solution is designed to reflect the familiar look and feel of a mail box and use of icons for various tasks and statuses.
- Always On: Employees are now always connected to their backend systems



Secure and Feature Rich

- Inbuilt security features to protect data.
- Pre-delivered configuration for commonly used workflows.
- Key business context is available in the work item to enable users to take informed decisions.



Lower TCO

- Single Platform: Runs on SAP NetWeaver
- Support for Blackberry, Symbian S60& Windows mobile devices.
- Rapid Go-Live of 1 month: Existing SAP ERP named users can start accessing workflows.

Thank you for your Attention!

CONTACT US @

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Device OS (device should have GPRS Connection)

OS	Version
Blackberry	> 4.2.1
Windows	> 6.0
Symbian	> S60 3 rd Edition

Device Space

Application	Installation Space	Message Size
mApprove	300 KB	5KB / workflow
mDashboards	700 KB	5 KB for 1 report with 5 lines and graph
mSFA	1.2 MB	10 KB / message

Development / QA Mobile Server

OS	NetWeaver	CPU	RAM	HDD
64 bit is mandatory for NWM 7.1	>= 7.1 SP9	1	2 GB	100 GB

Production Mobile Server

Users (assumption = 5 workflows / user / hour)	Mobile Server			
	SAPS	CPU	RAM	HDD
100	800	2	4 GB	100 GB
150	1600	2	8 GB	100 GB
200	1600	2	8 GB	150 GB
250	1600	2	8 GB	150 GB
300	8000	8	8 GB	200 GB
400	8000	8	8 GB	200 GB

Non BES scenarios will require Public IP for the SAP NWMobile server.

Appendix: NWM 7.1 OS/DB (Jan 2010)



	Windows				AIX	HP-UX			Solaris		Linux Suse SLES9, SLES10, RedHat EL 4/5				IBMI	z/OS
	Server 2003 on x64 (64-bit)	Server 2003 on IA64 (64-bit)	Server 2008 on x64 (64-bit)	Server 2008 on IA64 (64-bit)	5.3, 6.1 (64-bit)	11.11 on PA-RISC (64-bit)	11.23, 11.31 on PA-RISC (64-bit)	11.23, 11.31 on IA64 (64-bit)	9, 10 on SPARC (64-bit)	10 on x64 (64-bit)	on x86_64 (64-bit)	on IA64 (64-bit)	on power (64-bit)	on System z (64-bit)	5.4, 6.1 (64-bit)	1.7, 1.8, 1.9 (64-bit)
Oracle 10.2	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
SQL Server 2005	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
SQL Server 2008	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-
DB2 LUW V9.5	X	X	X	-	X	-	X(*)	X	X	-	X	-	X	-	-	-
MaxDB 7.6	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
MaxDB 7.7	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
DB2 for i 5.4, 6.1	APP	-	APP	-	-	-	-	-	-	-	-	-	APP	-	X	-
DB2 for z/OS V8, V9	APP	-	APP	-	APP	-	-	-	-	-	APP	-	-	APP	-	HA DB

Legend:

(*) DB2 for LUW V9.5 on HP-UX 11.31 on PA-RISC not available

X	Available for DB and APP
Qx	Planned for Qx
-	Neither supported nor planned

APP	Not for DB server. NetWeaver Application Server only
DB	Database Server only
HA	High Available Solution only. OS on 64-bit only
New installations on Unicode only. Non-Unicode available for upgrade only. Non-unicode is not available on Solaris x64.	

