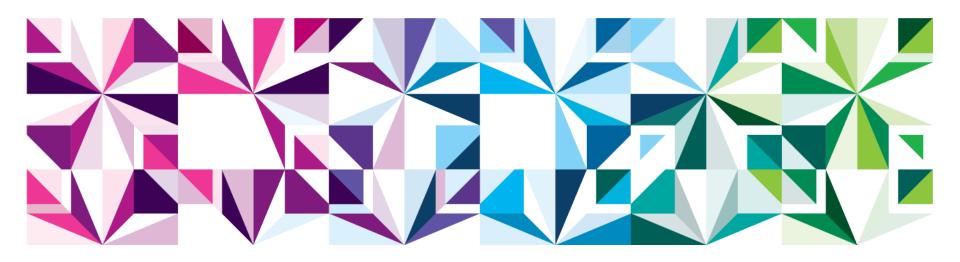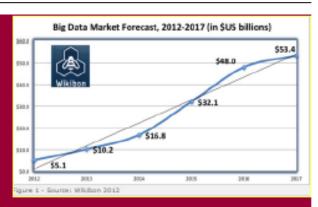# Simplify/Speedup BIG DATA Implementations by Automating Project Planning, Team Collaboration and Document Management using ProjectWare.com
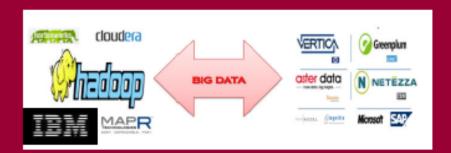
Big Data Is Big Business

$5 Billion to $50 Billion Market by 2017

Big Data Market Forecast, 2012-2017 (in $US billions)

Wikibon

$53.4
$48.0
$32.1
$16.8
$10.2
$5.1

2012   2013   2014   2015   2016   2017

Figure 1 – Source: Wikibon 2012

Big Data is Complex

Many break-through and disruptive technologies and vendors

BIG DATA
- Petabytes to Exabytes
- Distributed Data
- Semistructured Data
- Unstructured Data

cloudera
hadoop
IBM   MAPR

BIG DATA

VERTICA   Greenplum
aster data   NETEZZA
Microsoft   SAP

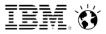| Vendor	Big Data Revenue ($Million)
IBM	$1,100
HP	$550
Oracle	$450
Accenture	$155
Xerox	$67
Splunk	$45
Cloudera	$18
AWS	$14
Mapr	$7

Big Data is Urgent / Real

Mission critical for businesses today to manage / analyze exploding data

Big Data Implementation

Explosion in projects and processes to manage

example project:
- How to justify Big data projects?
- Who will lead the charge on Big Data projects?
- What areas should we study?
- how do manage the Big data teams?
- Which vendors, consultants provides solutions?
- How do these vendors compare?
- Benchmarks?
- What skills do we need?
- What sort of budgets?
- ROI evaluation
- What systems to buy?
- Evaluate open source big data solutions/
- how do we integrate with existing IT infrastructure?
- How do we plan the data management flow?
- Data warehousing project?
- Data cleansing
- Data security issues?

What cloud to use?
- How do we archive data?
- What are the best practices?
- What are the risks and returns of Big data projects?
- How do we prioritize?
- Coordinate Big Data demos with vendors?
- Big data Training plans
- How do we handle abnormalities and exception reports?
- How we chase down and fix problems?
- Audit projects.
- Risk management studies.
- Big Data analysis points to serious business issues?
- Big data workflow
- How do we make Big data analysis ACTIONABLE?
etc...

3

What is ProjectWare.com?

Innovation through Partnership with IBM

Process Automation Solutions

Big Data Expertise

18+ Years of Expertise in Project Management

Sales and Consulting Support Services

ProjectWare.com

Enabled on IBM PureFlex , an expert integrated system

Compelling Value for our Customers

Speeding up Big Data project implementations:

Push-button and automated project construction, collaborative team management and action-driven document management.

- Automated Big Data project construction through ProjectWare Solution Automation Templates and launch new projects with just a few clicks.

- Document management woven into actions and project stage

  - Team members exposed to documents and access support relevant to the project stage -- eliminate being overwhelmed by documents and reference material

Deploy in minutes with ProjectWare.com enabled on IBM PureFlex

- Immediately begin accessing the software as a service via their browsers and mobile devices

IBM PureSystems "patterns of expertise"
ProjectWare.com: Web Application

Captures:

- IBM's decades of experience in helping clients design, build and deploy new business applications

What is it?

- Codified best practices for presetting configuration options by type of ProjectWare's Web application (e.g., high availability, high security, etc.)

What do you do?

- Select and launch the projectware.com application and everything else is handled for you in the background

What do you NOT have to do?

- Understand the interdependencies and connections between your database, application server, management, security, and the rest of the middleware
- Manually engage in the real-time management of your infrastructure

Result: Speed deployment of Web applications by **20-30x**!

Clients have experienced 20-30x faster application deployments with IBM's patterns of expertise which are included in IBM PureSystems AS

Pre-packaged with PROJECTWARE Solution Automation Templates prepared by solution experts and vendors

IBM · Industries & solutions · Services · Products · Support · My IBM

IBM PureSystems >

PureSystems Centre

Extending the Value of IBM PureSystems

Welcome · **Browse Solutions**

ProjectWare Dashboard for Rapid Project and Document Automation.

Business Partner IBM
Ready For PureSystems

PROJECTWARE DASHBOARD is a web based software tool for Collaborative Project Management, Team & Tasks Scheduling, Documents Management, Issue Management, Cost and Time Management.

TEAM PROJECT DASHBOARD	**ACTIONS SCHEDULING DASHBOARD**	**AUTOMATIC WORK GUIDANCE**	**TEAM DOCUMENTS DASHBOARD**	**ISSUES TRACKING DASHBOARD**	**COST / TIME TRACKING DASHBOARD**
Manage employees, suppliers, vendors, partners, customers around the globe.	Tracks ACTION milestones/deliverables within contracts and project tasks.	Provide continuous guidance to team on required work completion percentages	Supports workflow automation by link ing documents to project actions.	Track pending and resolved issues for each action or task within a project	Track budgeted and actual costs and time consumption for each project action.

Pre-packaged with ProjectWare's Solution Automation Templates prepared by solution experts and vendors – for Big Data and Data Analytic products.

ProjectWare Solution Automation Templates
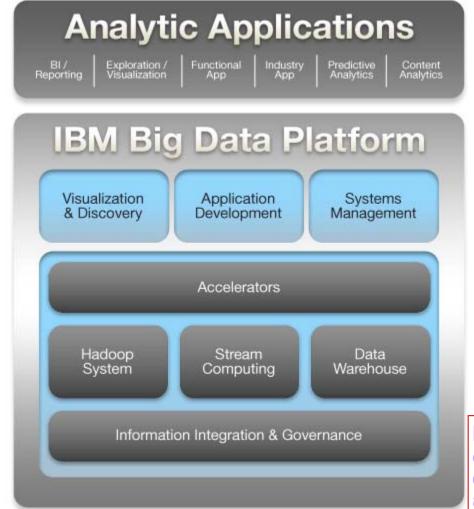*Best practices pre-packaged by solution experts, vendors, consultants*

ProjectWare Dashboard
Team Collaboration – Integrates PEOPLE, PROCESSES and KNOWLEDGE TRANSFER

Public or Private Cloud; enabled on IBM PureFlex System

Analytic Applications

| BI / Reporting | Exploration / Visualization | Functional App | Industry App | Predictive Analytics | Content Analytics |

IBM Big Data Platform

| Visualization & Discovery | Application Development | Systems Management |

Accelerators

| Hadoop System | Stream Computing | Data Warehouse |

Information Integration & Governance

New Analytic applications drive the requirements for a big data platform

- Integrate and manage the full variety, velocity and volume of data

- Apply advanced analytics to information in its native form

- Visualize all available data for adhoc analysis

- Development environment for building new analytics applications

- Workload optimization and scheduling security and governance

Business analytics is the key to enabling our clients to turn oceans of data into predictive models and actionable decisions.

9

IBM Cognos Enterprise

Powerful and scalable business intelligence and performance management

Easily interact, share information and conduct comprehensive analytics in a simple, unified workspace

IBM® Cognos® Enterprise meets the needs of the business, finance and IT with powerful and scalable business intelligence and performance management solutions that support all business decisions—organization wide. Cognos Enterprise helps users freely explore information, analyze key facts, quickly collaborate to gain alignment with key stakeholders and plan and act with confidence to drive better business outcomes.

With Cognos Enterprise, everyone is equipped with what they need to help your organization outperform, including reports, analysis, statistics, dashboards, what-if analysis, plans, budgets and more.

ProjectWare enabled on IBM PureFlex

Integrates PEOPLE, PROCESSES, KNOWLEDGE TRANSFER, and EXPERT SYSTEMS

ProjectWare

- **Automate best practice solution implementation roadmaps**

- Encapsulates **knowledge and actions** into a team dashboard

- Brings together everyone to **one view**

- Supports **rapid deployment** of Big Data and BI Analytics Projects

- **Automates ongoing management** of reporting and team follow-ups

- Comes pre-packaged with ready made **Big Data Solution Automation Templates** prepared by solution experts and vendors

IBM PureFlex System

- Integrated **patterns of expertise** designed to **automate and optimize deployment and maintenance**

- Built-in management expertise drives automation to significantly **reduce manual processes**

- Optimized patterns of expertise lower risk by **improving security**, reducing human error and ensuring uptime of ProjectWare

Track Big Data Projects and Programs

Project Management - Status Dashboard

Calendar

Documents

Issues

Create Tasks

Link http://www.projectware.com/P1/login.p   Owner: seshr@projectware.com   Show all   From   To

| Program | Big Data Analysis | | Project | Hadoop analysis | | Team sales1@projectware.com,s |
| New Program | | | New Project | | | Generate Link ☑ Save |

Template   Print   Password   Logout   Help

Tasks	Status	Role	Due Date	Completed	Required	Priority	Hours	Costs
Create high level plan	🟥 Late	Owner	May 30, 2012	90%	100%	Normal	0	0
Hire consultant	🟩 On track	Owner	Jun 3, 2012	80%		Urgent	0	0
Evaluate vendors	🟨 Issues	Owner	Jun 4, 2012	70%	90%	Normal	4	0
Create plan for benchmarking	🟨 Slow	Owner	Jun 7, 2012	0%	46%	Normal	0	0
Plan NOSQL architecture	🟨 Slow	Owner	Jun 20, 2012	0%	23%	Normal	0	0
Deploy pilot data analysis	🟨 Slow	Owner	Jun 30, 2012	0%	16%	Normal	0	0

Provides proactive work-guidance to team

Collaborative web based team project and document management platform

Update Tasks
Description
Evaluate vendors

Start Date
2012-04-23

Due Date
2012-06-04

Assign to third Party:

Priority Normal

Status 🟨 Slow require 91% completion/Open Issues

% Completion
70

Budget Hours
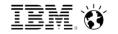4

Budget Costs
500
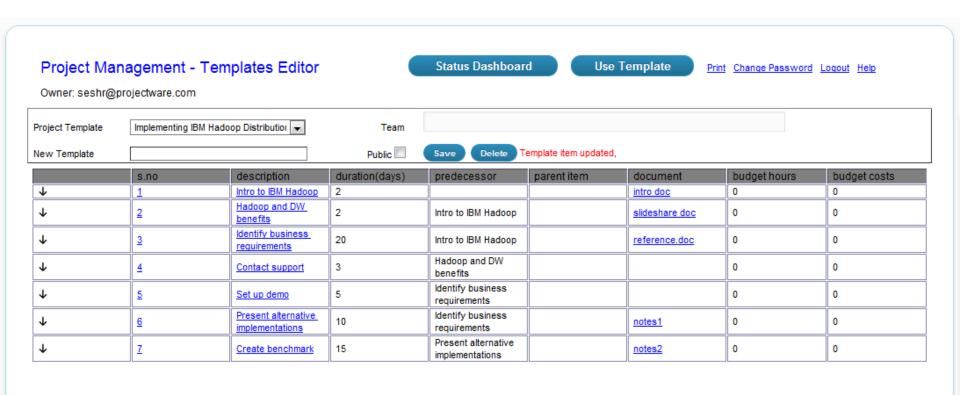
Update

Delete

ProjectWare Dashboards

Status dashboard

Documents dashboard

Issues Dashboard

Notes Dashboard

Calendar Dashboard

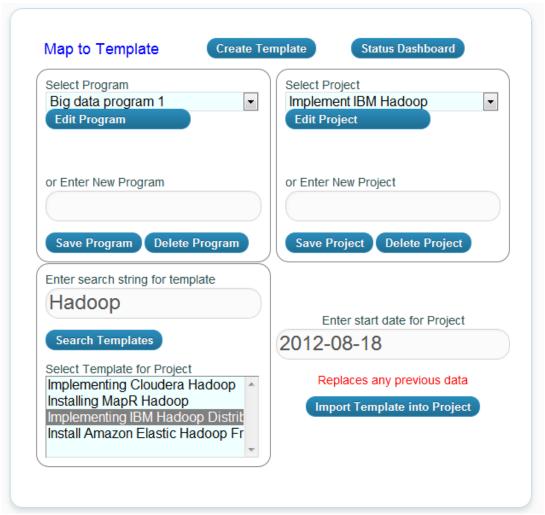# Create, Customize, Deploy Solution Automation Templates

Project Management - Templates Editor

Owner: seshr@projectware.com

Status Dashboard   Use Template   Print Change Password Logout Help

| Project Template | Implementing IBM Hadoop Distribution ▼ | Team | |
| New Template | | Public ☐ | Save Delete Template item updated, |

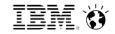|	s.no	description	duration(days)	predecessor	parent item	document	budget hours	budget costs
↓	1	Intro to IBM Hadoop	2			intro doc	0	0
↓	2	Hadoop and DW benefits	2	Intro to IBM Hadoop		slideshare doc	0	0
↓	3	Identify business requirements	20	Intro to IBM Hadoop		reference.doc	0	0
↓	4	Contact support	3	Hadoop and DW benefits			0	0
↓	5	Set up demo	5	Identify business requirements			0	0
↓	6	Present alternative implementations	10	Identify business requirements		notes1	0	0
↓	7	Create benchmark	15	Present alternative implementations		notes2	0	0

Search Big Data Solution Automation Templates

**Comes pre-packaged with ready made Big Data
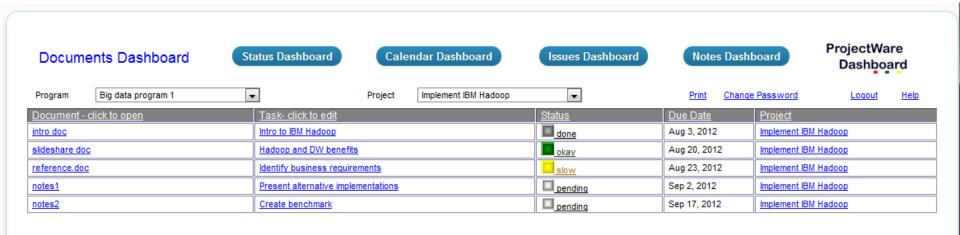solution automation templates prepared by solution experts and vendors**

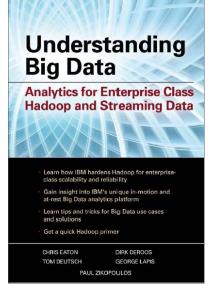# Project automatically created from Template

Expert
integrated systems

IBM

Action Driven Documents Dashboard

Documents Dashboard **Status Dashboard** **Calendar Dashboard** **Issues Dashboard** **Notes Dashboard** **ProjectWare Dashboard**

Program	Big data program 1 ▼		Project	Implement IBM Hadoop ▼	Print Change Password Logout Help

Document - click to open	Task- click to edit	Status	Due Date	Project
intro doc	Intro to IBM Hadoop	☐ done	Aug 3, 2012	Implement IBM Hadoop
slideshare doc	Hadoop and DW benefits	■ okay	Aug 20, 2012	Implement IBM Hadoop
reference.doc	Identify business requirements	■ slow	Aug 23, 2012	Implement IBM Hadoop
notes1	Present alternative implementations	☐ pending	Sep 2, 2012	Implement IBM Hadoop
notes2	Create benchmark	☐ pending	Sep 17, 2012	Implement IBM Hadoop

Weaves reference documents and support URLs Into ProjectWare Action Steps accelerating knowledge transfer

Understanding Big Data

Analytics for Enterprise Class Hadoop and Streaming Data

- Learn how IBM hardens Hadoop for enterprise-class scalability and reliability
- Gain insight into IBM's unique in-motion and at-rest Big Data analytics platform
- Learn tips and tricks for Big Data use cases and solutions
- Get a quick Hadoop primer

CHRIS EATON   DIRK DEROOS
TOM DEUTSCH   GEORGE LAPIS
PAUL ZIKOPOULOS

IBM Big Data Success Stories

17

Track and Manage Issues, budgets, cost overruns

Issues for Tasks: Budget plan approval

* Open issues (click to edit)

* Resolved issues (click to edit)

* Add New Issue

Delay due to travel

Add Issue

Status Dashboard   Issues Dashboard

Track costs and resource hours, flag budget overruns

Hours	Costs
0	300
8	0
2	100

Project Management - Issues Dashboard   Print   Change Password   Logout   Help

Status Dashboard   **Calendar Dashboard**   **Documents Dashboard**

Program   big data program 1 ▼   Project   big data hadoop project ▼

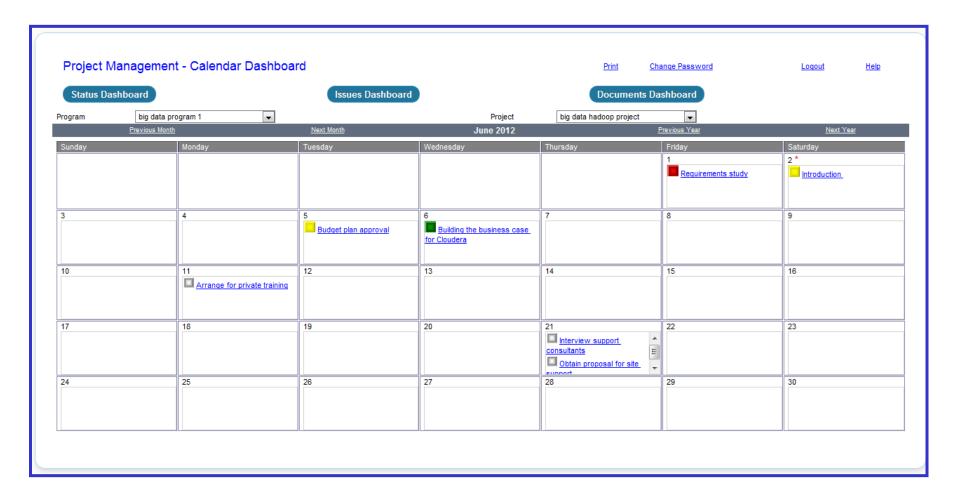| Issue - click to edit	Tasks	Action Status	Due Date	Issue Status	Project
Budget conflicts to resolve	Budget plan approval	☐ Slow/Open Issues	Jun 5, 2012	pending	big data hadoop project
Delay due to travel	Budget plan approval	☐ Slow/Open Issues	Jun 5, 2012	pending	big data hadoop project

Collaborative Project Calendar

ProjectWare Use Cases

1. Manage Big Data solutions and services deployment

   ▪ Product search, requirements gathering, cost justification, product benchmarks, training, support etc.

2. Implement Big Data Actionable Management

   ▪ Team project management, ongoing operational management, reports specifications, setting up alerts, action follow-ups etc.

Contact

Sales: 408.940.5003, sales1@projectware.com

Evaluate software free of cost at http://www.projectware.com

- ProjectWare Dashboard is available for public and private clouds. Enabled on IBM PureFlex Systems.

- Request price quote, Pricing is determined by team size, server type and file storage requirements.

- We provide sales and support IBM Partner services for IBM PureFlex, IBM Big Data solutions and IBM Cognos.