

# Big Data Management Foundation

## Benefits

- Implementation of an integrated Informatica Big Data Management architecture
- Guidance in best practices for structural and development strategies for Big Data project deployments
- Experienced guidance to accelerate deployment of pushdown to Hadoop in your environment
- Speed of proper installation, configuration and environment setup to jump start your Big Data Management efforts

## Typical Duration

- 2 Weeks Onsite

## Key Program Details

Informatica Big Data Management allows customers to quickly leverage the power of Hadoop without the need for a hand coded solution. This area of technology innovation is quickly evolving with new product capabilities and newly discovered use cases which are rapidly impacting nearly every industry.

With this package the Informatica Professional Services team will assist you in reviewing your environment and big data challenges to ensure that current technology features are matched to meet your big data requirements.

Our experienced Big Data consultants will help you drive your initial work plan by architecting, installing and configuring Informatica’s Big Data Management product to ensure your success with Big Data implementations.

Additional time may be reserved during the execution of the project to help customers with use cases that are not part of the original baseline deployment. These use cases may include architectural guidance, assistance in development, performance tuning or any other customer specific requirement.

## Areas of Focus

This engagement will consist of 2 weeks of onsite work, followed by sixty (60) hours of subscription services. The engagement will include the following activities:.

Task	Week 1	Week 2	Subscription
Review Pre-Install activities*	X		
Use-case review	X		
Architecture and strategy review	X		
Security configuration review	X		
Readiness assessment for Platform setup	X		
Installation in one (1) environment	X	X	
Post Install Configuration		X	
Cluster Integration		X	
Connectivity Tests		X	
Best practices		X	
Use-case mapping development guidance			X
Support for customer-led installation in subsequent environments			X
Implementation techniques			X
Performance tuning guidance			X
Deployment assistance			X

\* A Pre-Installation checklist is provided by Informatica. This checklist and all relevant pre-installation activities must be completed before commencing the onsite work.

# Key Program Deliverables

## Week 1 – Architecture, Preparation, Installation

- Review pre-installation checklist and validate completion of activities
  - The pre-installation checklist will be provided by Informatica
  - The checklist will be reviewed during a pre-engagement call
  - Completion of all relevant pre-installation activities is required in order to start the engagement
  - Incomplete activities will delay project schedule
- Readiness assessment for Big Data Management platform setup
- Review of current data management architecture, use cases and roadmap of the Big Data platform
- Develop and document a high level Big Data Architecture for Informatica Big Data Management
- Architecture and strategy reviews
- Security configuration reviews
- Align and document resource needs (network / hardware / databases / personnel)
- Commence installation of Big Data Management platform in one (1) environment
- **Deliverable:** Big Data Management Architecture Plan

## Week 2 – Installation, Configuration, Connectivity

- Continue installation of the Big Data Management platform
- Post install configuration
  - Execution engines: MapReduce, Blaze, Spark
  - Sqoop (if applicable)
- Cluster Integration
- Connectivity of HDFS and Hive and the Informatica Repository RDBMS
- Security configuration, as applicable
- End-to-End connectivity tests, where BDM is involved for one of the following options:
  - a. Two (2) Tier One source or target systems
    - Tier One: HDFS, Hive, Oracle, SQL Server, DB2
  - b. One (1) Tier Two source or target system
    - Tier Two: Teradata, Netezza, HBase
  - c. Note: Tier Three systems will need to be scoped individually
    - Tier Three: Google Analytics, Facebook, Linked In, Twitter, other Cloud applications, unstructured and semi-structured data (via HParser and DT)
- Knowledge transfer of Big Data Management environment, setup and architecture
- **Deliverable:** BDM Runbook

## Subscription Period (60 Hours) – Support and Next Steps

The Subscription Period provides the customer with a BDM specialist on an ad-hoc basis. This allows the customer the flexibility to utilize the resource on various activities pertinent to the project. These activities could include:

- Discuss different use-case and low-level/mapping design in BDM
- Discuss various implementation techniques such as Delta Detection in BDM
- Provide support for customer-led installations in additional environments (e.g., Test, Prod)
- Provide assistance and best practices for performance tuning BDM mappings
- Provide guidance and assistance with deploying BDM mappings between environments
- Assist with connectivity configuration to additional source systems
- New product release features and functionality
- Guidance on potential mid-project architecture changes
- **Potential Deliverable(s):** Mappings templates, Velocity documents for reference, as applicable

## About Informatica

Informatica is a leading independent software provider focused on delivering transformative innovation for the future of all things data. Organizations around the world rely on Informatica to realize their information potential and drive top business imperatives. More than 5,800 enterprises depend on Informatica to fully leverage their information assets residing on-premise, in the Cloud and on the internet, including social networks.

## Learn More

### *Do It Right the First Time*

Contact Informatica Professional Services at [ips@informatica.com](mailto:ips@informatica.com)



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