

Big Data Analytics Services Journey through the five stages of big data adoption

Becoming a mature, data-driven organization



1. Nascent
A pre-big data analytics environment with a low awareness of big data's value

Milestones to achieve

- Understand available big data
- Harness relevant big data
- See the value in analyzing information and rich data sources

How to get there
Transformation Workshop

2. Pre-adoption
Some investments in new technology supporting but lacking organizational governance for big data

Milestones to achieve

- Understand the value of faster analytics and faster time to insight
- Ask questions about data mining and receive immediate answers
- Extract value from unstructured data sources

How to get there

- Big data strategy and roadmaps
- Data discovery services

3. Early adoption
IT and business teams collaborating to determine the right big data business problems to solve

Milestones to achieve

- Enable legacy solutions to keep pace with big data implementations
- Leverage a phased approach to tackle key vs. future iterations
- Gain executive buy-in/sponsorship

How to get there

- Technology advisory consulting
- Assessment Services
- Use-case definition consulting
- Proof of Concept/Pilot Services

Organizations can stall here because it's difficult to cross the chasm leading to corporate-wide adoption of big data and analytics.



Cross the chasm

- Milestones to achieve**
- Integrate scattered and siloed data, as well as data sources
 - Establish an effective data governance model and robust process for big data capture, curation, validation, and retention
 - Gain clarity about tools, technology, and necessary skills
- How to get there**
- Architecture/Design services
 - Data governance
 - Analytics solutions

To cross the chasm, you need the right:

- Governance
- Data architecture
- Data lifecycle management
- Security strategies
- Organizational structures



4. Corporate adoption

Implementing, operationalizing, and supporting real-time big data analytics

Milestones to achieve

- Overcome data security concerns and fears of exposing your data
- Integrate with existing big data investments

NoSQL databases

Databases (SQL)

Hadoop Open source

How to get there

- Hybrid Data Management Services
- Ecosystem Consulting/Integration Services
- EDW modernization
- Big Data Center of Excellence

Coordinate effectively across the business on big data initiatives

Gather together pockets of resources or models for big data analytics initiatives

5. Mature/Visionary

Smoothly executing big data analytics programs using a highly tuned infrastructure with well-established data governance strategies

Milestones to achieve

- Move analytics closer to the big data sources
- Compete successfully using enhanced decision-making capabilities
- Better manage costs and understand big data growth

How to get there

- Big Data Cloud Accelerators
- Solution Management Services
- High-Performance Data Ingestion Services
- Predictive/Machine learning solutions

Getting from one stage to the next with big data analytics consulting services

As you move through the five stages, you'll gain more value from your investments in big data analytics. You can successfully reach analytics maturity by employing a few common best practices:



Commitment

- Be willing to "stick with it" because it can take time
- Tap into resources for users, analysts, and data scientists so that they can "fail fast" and learn how to improve
- Have strong executive support and people with a passion for big data and analytics

Competency

- Ongoing building of skills in big data analytics
- Hire externally as well as build skills internally and encourage sharing of best practices
- Establish training programs and strategies
- Work with people who see the value of big data analytics

A culture that can manage change

- Understand the principles of change management
- Challenge or replace unquestioned assumptions with data-driven reasoning
- Employ organizational leadership that champions experimentation and understands the need to address both people and process issues that come with change

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Micro Focus is your end-to-end big data analytics consulting services partner throughout your journey.

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