

EMA 2016 Data Warehouse Automation Study

Key Findings

ENTERPRISE MANAGEMENT ASSOCIATES® (EMA™) End-User Research
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This research has been prepared for:

WhereScape®



IT & DATA MANAGEMENT RESEARCH,
INDUSTRY ANALYSIS & CONSULTING

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Key Findings

Overall Findings

- **Analytics is a Driving Force:** Nearly 70 % of respondents indicated that their organization had an **Essential** or **Important** approach to the implementation of Analytical Environments.
- **Automation is Important:** Nearly 50% of respondents are using Data Warehouse Automation (DWA) strategies at **Essential** or **Important** levels.
- **Finding the Right Benefits:** Over 40% of respondents are gaining the benefits of **Faster deployment of data and analytics** or **Better quality of data in analytical environment** by utilizing DWA strategies.
- **Benefit of a Value-added Partnership:** Organizations with **Essential** DWA strategy implementations gain the benefit of an **Improved perception of IT department** over organizations without implementing DWA strategies.
- **Plan the Work:** Organizations using **Essential** DWA strategies are five (5) times less likely to be without a **Defined Development Strategy** than organizations who have not established DWA practices.
- **Work the Plan:** To overcome time pressures associated with implementation of analytical environments, respondents with **Essential** DWA strategies are 25% more likely to utilize a **Vendor Supplied Automation** technology solution than those organizations who are not implementing DWA practices and strategies.
- **Lost Without a Map:** Without DWA strategies and practices, organizations are four times more likely to have no **Strategy to mitigate risk associated with changing requirements** than those organizations who have fully embraced the concepts of DWA strategies and practices.

Documentation Key Findings

- **Documentation Freshness: Technologists,** those with knowledge of data sources and structure, are three times more likely to consider their documentation unacceptable than **Business** counterparts.
- **Speed is the Key:** Over 50% more organizations who consider their documentation to be up to date have the ability to generate that documentation within a day or less than organizations that have lower quality technical and business documentation for their analytical environments.

Project Key Findings

- **Not an Isolated Event:** Over 40% respondents have three or more projects as part of their analytical environment programs.
- **Automating Projects:** Nearly 60% of respondents are using some form of software product driven automation as part of their project implementation strategy.
- **Change is the Only Constant:** Over 60% of respondents face the challenge of **Weekly** or **Monthly** changes to their analytical environment projects.
- **Handling the Change:** Organizations with an **Essential** DWA strategy approach are 2.5 times more likely to handling those **Weekly** or **Monthly** changes than those organizations without DWA practices in place.

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Key Findings

- **Finding Project Success:** Chances of a **Very Successful** project implementation increase by over 30% when organizations implement a **Completely Automated** projects than those organizations who choose to utilize **Completely Manual** implementation approaches.
- **Improving Your Chances of Success:** When using an **Essential** DWA strategy approach, organizations have nearly two times the **Average Project Success Score** than organization who are not currently implementing or even planning a DWA strategy.

Project Implementation Timeframe Findings

- **Fast out of the Gate:** Organizations with an **Essential** DWA strategy approach have a nearly 50% decrease in the amount of time spent on **Initial Implementation** timeframes as opposed to those organizations who have **Not Adopted** DWA strategies.
- **Maintaining Momentum:** For **Ongoing Changes** to analytical environments, organizations without DWA strategies in place have a 35% increase in implementation times than those organizations who have embraced DWA practices.

Project Staffing Findings

- **Doing More With Less:** When using **Completely Automated** project implementation practices, organizations experience between a 10% and 15% reduction in overall staffing requirements than those organizations that are using **Completely Manual** project implementations.

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