## **Essential Elements of a Master Data Management Architecture**

## ABSTRACT

Building master data management (MDM) into an IT infrastructure is not as simple as buying a product and plugging it in. Rather, selecting the right MDM architecture is a function of business and technological considerations. Business considerations include management style, organizational structure, and governance. Technical considerations include vendor affinity policy, middleware architecture, and modeling capabilities. In this presentation, Burton Group Principal Analyst, Joe Bugajski, will examine the MDM architecture selection decision, and four of the most common MDM architectural styles: local MDM, hub MDM, federated database MDM, and hybrid MDM. He also will review the characteristics of an MDM system.

## BIOGRAPHY

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Joe Bugajski is principal analyst for Gartner's Burton Group Research. He covers IT governance, enterprise architecture, and data standards, data access, master data management, information quality, and data integration. Prior to Burton Group, Joe was founder and managing partner of Venture KPI Research Partners who deliver due diligence for venture capitalists. Before this, Joe was chief data officer for Visa International bearing global responsibility for information



interoperability. He was Visa's resident entrepreneur and chief enterprise architect of back office, risk control, and business intelligence infrastructure systems. Prior to Visa, Joe was CEO of Triada, a global business intelligence software maker. Before Triada, Joe was an executive at Ford Motor Company, responsible for engineering information systems and prototype vehicle manufacturing in which function he architected the legendary Taurus/Sable engineering program. Joe is also a data analytics researcher with four patents and twenty-six peer-reviewed publications.















































