

Fundamental Big Data Architecture Design Patterns and Mechanisms Mapping Reference Matrix

X - design pattern is commonly associated with mechanism

	Automated Dataset Execution	Automatic Data Replication and Reconstruction	Automatic Data Sharding	Complex Logic Decomposition	Dataset Decomposition	Data Size Reduction	File-based Sink	File-based Source	High Volume Binary Storage	High Volume Hierarchical Storage	High Volume Linked Storage	High Volume Tabular Storage	Large-Scale Batch Processing	Processing Abstraction	Relational Sink	Relational Source	Streaming Source	Streaming Storage
Compression Engine					X													
Coordination Engine	X		X	X	X	X						X	X	X	X			X
Data Transfer Engine	X				X	X	X					X		X	X	X		
Processing Engine	X		X	X	X	X						X	X	X	X			X
Productivity Portal	X					X	X							X	X	X		
Query Engine	X												X					
Resource Manager	X		X	X	X	X						X	X	X	X			X
Serialization Engine								X		X	X							
Storage Device	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Workflow Engine	X			X			X	X						X	X			



Module 10: Fundamental Big Data Architecture
Official Mind Map Supplement



Arcitura Big Data School - Big Data Architect Certification Program
Copyright © Arcitura Education Inc. www.arcitura.com

