



# Dell In-Memory Appliance for Cloudera Enterprise

Accelerate Time to Insight with Iterative Analytics

Building on a deep engineering partnership among Dell, Intel and Cloudera, the Dell In-Memory Appliance for Cloudera Enterprise solves today's Big Data challenges with a turnkey, purpose-built, in-memory advanced analytics data platform.

This next-generation data analytics solution allows your organization to incorporate iterative analytics on in-memory data streams to accelerate business insights, capitalize on market opportunities, and respond quickly to threats to your business and its customers.

## Support diverse analytical applications

This is an ideal analytics solution for applications across a wide range of industries, such as:

- Analyzing utility smart meter data
- Analyzing social data for marketing applications
- Analyzing trading data for hedge funds
- Detecting network intrusion
- Enabling near real-time fraud detection and prevention
- Analyzing server and network log data and failures

## Reduce analytics cycle from weeks and days to minutes and seconds

To enable fast analytics and stream processing, the Dell In-Memory Appliance for Cloudera Enterprise is bundled with Cloudera Enterprise, which includes Apache Spark, an open source parallel data processing framework.

Cloudera Enterprise allows your business to implement powerful end-to-end analytic workflows, comprising batch data processing, iterative query, deep data mining and stream processing, all from a single common platform. With a single common platform, there is no need to maintain separate systems—with separate data, metadata, security and management—that drive up complexity and cost.

## Scale up seamlessly

With the Dell In-Memory Appliance for Cloudera Enterprise you gain the agility and flexibility to scale up seamlessly as your analytics needs grow. The solution, built on Dell™ PowerEdge™ two-socket Intel-based servers and 10G network connectivity, scales economically from an entry-level system to a small enterprise configuration, all without the need to rip and replace technology.

## Technical specifications: Dell In-Memory Appliance for Cloudera Enterprise

	Red Hat Enterprise Linux (RHEL) 6.5	
Hardware Support	Dell ProSupport Plus	
Service	Integration Services Consulting (optional)	
Hadoop Distribution	Cloudera Enterprise	
Configurations	Starter Configuration	8 Nodes (Infrastructure/Data Nodes) Memory Capacity ~1.5TB (Raw)
	Midsized	16 Nodes (Infrastructure/Data Nodes) Memory Capacity ~4.5TB (Raw)
	Small Enterprise	24 Nodes (Infrastructure/Data Nodes) Memory Capacity ~7.5TB (Raw)
	Expansion Unit	4 Data Nodes
Solution Components	Server:	Dell PowerEdge
	Networking:	Dell 10GB Networking
Solution Delivery	Preconfigured Hardware, Network and Software Stack Fully Rack/Stack/Cable	
Watts(Maximum)	Starter:	3751W
	Midsized:	7530W
	Small Enterprise Configuration:	10266W
	Expansion Unit:	1368W
BTU/h	Starter:	12800
	Midsized:	25693
	Small Enterprise:	35029
	Expansion Unit:	4667
Total Weight (lbs)	Starter:	589
	Midsized:	1234
	Small Enterprise:	1749
	Expansion Unit:	257

For a closer look at the Dell In-Memory Appliance for Cloudera Enterprise, visit [Dell.com/Hadoop](http://Dell.com/Hadoop) or [DellBigData.com](http://DellBigData.com)

Have a question? Please send it to us at [Hadoop@Dell.com](mailto:Hadoop@Dell.com).

