

# TIBCO RTView for TIBCO BusinessEvents Monitor

## FEATURES

### REAL-TIME AND HISTORICAL METRICS

Trend graphs enable you to view and compare performance metrics over time to assess utilization and performance trends.

### BETTER GRANULARITY

Granular metrics capture machine, process/engine, cache node, inference node, concept, and channel for each cluster/member.

### PRE-DEFINED ALERT THRESHOLDS

More than 30 pre-defined alerts provide both warning and alert thresholds that are preset based on best practices.

### GLOBAL ALERT CONFIGURATION

Alert thresholds can be configured en masse rather than one at a time, and thresholds for individual resources can be changed as desired.

### DECOUPLED MONITORING

Because monitoring is decoupled from management, dashboards can be safely shared with other support groups without risk of inadvertent configuration changes.

### VISIBILITY ACROSS CLUSTERS

Real-time performance information across multiple TIBCO BusinessEvents clusters can be compared to confirm even distribution of load balancing.

TIBCO® RTView® for TIBCO BusinessEvents® Monitor is an out-of-the-box solution that provides a centralized view of both real-time and historical performance metrics across numerous TIBCO BusinessEvents® clusters.

The monitor provides information about how TIBCO BusinessEvents clusters are configured and performing and presents historical data detailing rule execution times per inference node; heap and table sizes for storage nodes; and event, concept, and channel statistics.

Pre-configured alert conditions provide early warning when any of the performance metrics indicate a situation that is nearing a critical state.

Cluster Name	Node	Alert	Alert Member	Auto	Backing Store	Cache	Serialization	Storage	Cache Type
oldcache	new51Cache	●	0	2	☑	☑	☑	☑	DISTRIBUTED v5
oldcache	new51Inf	●	0	2	☑	☑	☑	☑	DISTRIBUTED v5
fdcache	newbe4cache	●	0	2	☑	☑	☑	☑	dist-unlimited-nobs v4
fdcache	newbe4inference	●	0	2	☑	☑	☑	☑	dist-unlimited-nobs v4

Broad visibility across nodes, clusters, and individual resources allow support teams to quickly spot and troubleshoot emerging problems.

TIBCO RTView for TIBCO BusinessEvents Monitor can help you identify stress points that may occur in production environments. Often vulnerabilities that do not present themselves in test environments can be quickly spotted and resolved.

The monitor can help diagnose and address several scenarios in TIBCO BusinessEvents, including:

- Events flooding into the system at higher-than-expected rates
- Rules firing at much higher-than-expected rates causing CPU usage to spike
- Backing store running inefficiently
- Concepts being created at rates much higher than expected, causing evaluation or re-evaluation of rules

## CLUSTERS

The top-level cluster display provides a cluster-wide performance summary with drill-down into individual clusters. It helps quickly identify nodes that are in an expired state, that have not joined a cluster, or have a critical alert. You can view all engines in a single cluster, or view all your clusters at once.

## INFERENCE NODES

The Summary display lets you view performance and utilization data for a single inference node. You can see a list of all agents on the node, a Run-To-Completion (RTC) Transaction Manager report, and trend graphs that trace the rule execution rate for agents on the node.

The All Inference Agents display lets you compare agent metrics across deployed engines and verify that the cluster is properly load-balanced. You can view a list of all the inference agents deployed in each cluster. You can also view agent data for a single cluster or all clusters.

The All RTC Reports display lets you compare RTC metrics across deployed engines. You can view a list of all the inference engine RTC reports and reports for a single cluster or all clusters.

## STORAGE NODES

The Store Node Summary display lets you view performance details for a single cache node, the database connection pool status, and a list of all caches that are backed by the backing store (database). You can also view trend graphs that trace utilization metrics, such as CPU and heap memory usage.

## EVENTS

The Events display lets you view a list of events and their run-time statistics. With TIBCO BusinessEvents, instances of events are cached when they are out of scope, and deleted or persisted to the backing store when they are no longer useful. You can view the cache get, put, and remove counts for each event.

The Event Summary display supplies a view of current and historic data for a single event. Data in this display can be useful if your TIBCO BusinessEvents system uses cache object management. When cache object management is used, events that have a sufficiently long time to live (TTL) setting are cached. Cache get, put, and remove metrics apply to cached events. The trend charts show the cache activity of such events and might be useful in diagnosing the behavior of your application.

## CONCEPTS

The Concepts display supplies a list of concepts and their run-time statistics. With TIBCO BusinessEvents, instances of concepts are cached when they are out of scope, and deleted or persisted to the backing store when they are no longer useful. View the cache get, put, and remove counts for each concept.

The Concept Summary display gives you a view of current and historic data for a single concept. Data in this display can be useful if your TIBCO BusinessEvents system uses cache object management. When cache object management is used, concepts that have a sufficiently long TTL setting are cached.

## CHANNELS

The Channels display shows a list of destinations that are sources and sinks of events. Destinations are potentially bi-directional, and the table indicates whether events are sent or received.

## ALERT VIEWS

Alert Views displays present detailed information about all alerts that have occurred in your system. These displays present performance data for your TIBCO BusinessEvents systems.



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09/30/15