

SOA Software Policy Manager Monitoring Data View Description

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SOA Software, Inc.

SOA Software, Inc.

12100 Wilshire Blvd, Suite 1800

Los Angeles, CA 90025

(866) SOA-9876

www.soa.com

info@soa.com

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Usage Data

Usage data can be queried from the Policy Manager database using the USAGEDATA_VIEW. Each row represents one monitored (audited) message exchange.

Column Name	Column Type	Column Description
ID	Integer	Unique ID (primary key) of the record.
EVENT_ID	String	Unique GUID of the record as reported by the container.
PARENT_EVENT_ID	String	GUID of the parent record if part of a transaction.
CREATE_DTS	DateTime	Date/time the record was created in the DB.
REQUEST_DTS	DateTime	Date/time the exchange was initiated.
SERVICE_KEY	String	Key of the service in the exchange.
SERVICE_NAME	String	Name of the service in the exchange.
OPERATION_NAME	String	Name of the operation in the exchange.
CONTAINER_KEY	String	Key of the container reporting the exchange.
CONTAINER_NAME	String	Name of the container reporting the exchange.
CONTRACT_NAME	String	Name of the contract governing the exchange (if audited).
ORGANIZATION_KEY	String	Key of the service's organization.
ORGANIZATION_NAME	String	Name of the service's organization.
CLIENT_HOSTNAME	String	Hostname of the client initiating the exchange.
LISTENER_URL	String	URL the exchange was received on.
NEXTHOP_URL	String	Downstream URL the exchange was forwarded to.
CONSUMER_USERID	String	Id of the consumer identity initiating the exchange (if any).
ENDUSER_USERID	String	Id of the end-user identity initiating the exchange (if any).
TOTAL_RESPONSETIME_MSEC	Integer	Milliseconds spent before the exchange was completed by the container.
NEXTHOP_RESPONSETIME_MSEC	Integer	Milliseconds spent by the downstream service processing the exchange.
REQUEST_MSGSIZE_BYTES	Integer	Size of request message on wire in bytes (if audited).
RESPONSE_MSGSIZE_BYTES	Integer	Size of response message on wire in bytes (if audited).
REQUEST_NORM_MSGSIZE_BYTES	Integer	Size of the normalized request message in bytes (if audited).
RESPONSE_NORM_MSGSIZE_BYTES	Integer	Size of the normalized response message in bytes (if audited).
HTTP_VERB	String	Verb used if HTTP exchange.
HTTP_STATUSCODE	String	Status code returned if HTTP exchange.
IS_FAULT_BY_CONTAINER	Integer	1 if container raised error, else 0.

Column Name	Column Type	Column Description
IS_FAULT_BY_NEXTHOP	Integer	1 if error received from the downstream service, else 0.
ERROR_CATEGORY	Integer	Error ID/code (if any).
ERROR_MESSAGE	String	Error message (if any).
ERROR_DETAILS	String	More detailed explanation (if any).
CUSTOM_FIELD	String	Used by custom extensions (if any).

Hourly Metrics

Hourly metrics can be queried from the Policy Manager database using the METRICS_HOURLY_VIEW. Each row holds the metrics for all exchanges completed in an hour period for a service operation that are governed by a single contract and collected by a single container.

Column Name	Column Type	Column Description
ID	Integer	Unique ID (primary key) of the record.
START_DTS	DateTime	Beginning time of the hourly metrics. The metrics are for this time plus one hour.
TIMEZONE	String	Timezone used.
CONTAINER_KEY	String	Key of the container reporting the metrics.
CONTAINER_NAME	String	Name of the container reporting the metrics.
SERVICE_KEY	String	Key of the service for which the metrics are for.
SERVICE_NAME	String	Name of the service for which the metrics are for.
OPERATION_NAME	String	Operation for which the metrics are for.
CONTRACT_NAME	String	Name of the contract governing all exchanges from which the metrics are calculated.
USAGE_COUNT	Long	Number of exchanges completed.
ERROR_COUNT	Long	Number of exchanges resulting in an error.
SUCCESS_COUNT	Long	Number of successful exchanges.
TOTAL_RESP_TIME	Long	Total time spent processing the exchanges in the hour.
MIN_RESP_TIME	Integer	Lowest time spent processing one exchange.
MAX_RESP_TIME	Integer	Most time spent processing one exchange.
TOTAL_SUCCESS_RESP_TIME	Long	Total time spent processing successful exchanges.
MIN_SUCCESS_RESP_TIME	Integer	Lowest time spent processing one successful exchange.
MAX_SUCCESS_RESP_TIME	Integer	Most time spent processing one successful exchange.
TOTAL_ERROR_RESP_TIME	Integer	Total time spent processing exchanges resulting in an error.
MIN_ERROR_RESP_TIME	Integer	Lowest time spent processing one exchange resulting in an error.
MAX_ERROR_RESP_TIME	Integer	Most time spent processing one exchange resulting in an error.

Column Name	Column Type	Column Description
MIN_MSG_SIZE	Integer	Smallest request message in bytes.
MAX_MSG_SIZE	Integer	Largest request message in bytes.
REQ_MSG_SIZE	Integer	Sum of all request message sizes.
RESP_MSG_SIZE	Integer	Sum of all response message sizes.

Daily Metrics

Daily metrics can be queried from the Policy Manager database using the METRICS_DAILY_VIEW. Each row holds the metrics for all exchanges completed in a day period for a service operation that are governed by a single contract and collected by a single container.

Column Name	Column Type	Column Description
ID	Integer	Unique ID (primary key) of the record.
START_DTS	DateTime	Beginning time of the daily metrics. The metrics are for this time plus one day.
TIMEZONE	String	Timezone used.
CONTAINER_KEY	String	Key of the container reporting the metrics.
CONTAINER_NAME	String	Name of the container reporting the metrics.
SERVICE_KEY	String	Key of the service for which the metrics are for.
SERVICE_NAME	String	Name of the service for which the metrics are for.
OPERATION_NAME	String	Operation for which the metrics are for.
CONTRACT_NAME	String	Name of the contract governing all exchanges from which the metrics are calculated.
USAGE_COUNT	Long	Number of exchanges completed.
ERROR_COUNT	Long	Number of exchanges resulting in an error.
SUCCESS_COUNT	Long	Number of successful exchanges.
TOTAL_RESP_TIME	Long	Total time spent processing the exchanges in the hour.
MIN_RESP_TIME	Integer	Lowest time spent processing one exchange.
MAX_RESP_TIME	Integer	Most time spent processing one exchange.
TOTAL_SUCCESS_RESP_TIME	Long	Total time spent processing successful exchanges.
MIN_SUCCESS_RESP_TIME	Integer	Lowest time spent processing one successful exchange.
MAX_SUCCESS_RESP_TIME	Integer	Most time spent processing one successful exchange.
TOTAL_ERROR_RESP_TIME	Integer	Total time spent processing exchanges resulting in an error.
MIN_ERROR_RESP_TIME	Integer	Lowest time spent processing one exchange resulting in an error.
MAX_ERROR_RESP_TIME	Integer	Most time spent processing one exchange resulting in an error.
MIN_MSG_SIZE	Integer	Smallest request message in bytes.
MAX_MSG_SIZE	Integer	Largest request message in bytes.

Column Name	Column Type	Column Description
REQ_MSG_SIZE	Integer	Sum of all request message sizes.
RESP_MSG_SIZE	Integer	Sum of all response message sizes.