

Microsoft Exchange Performance Metrics

The Uptime Infrastructure Monitor Exchange monitor collects the following performance metrics from a Microsoft Exchange 2007 / 2010 / 2013 server:

| Metric | Explanation | Performance Object |
|-----------------------------------|---|---|
| SMTP Bytes Sent Per Second | The total number of bytes sent per second by the Exchange SMTP server. | MSEExchange Transport SMTP Send BytesSentPerSec |
| SMTP Bytes Received Per Second | The total number of bytes received per second by the Exchange SMTP server. | MSEExchange Transport SMTP Receive BytesReceivedPerSec |
| SMTP Messages Sent Per Second | The maximum number of messages sent per second allowed by the SMTP server. | MSEExchange Transport SMTP Send MessagesSentPerSec |
| SMTP Messages Received Per Second | The maximum number of messages received per second allowed by the SMTP server. | MSEExchange Transport SMTP Receive MessagesReceivedPerSec |
| SMTP Average Bytes Per Message | The average number of message bytes per inbound message received, indicating the size of messages received through an SMTP receive connector. | MSEExchange Transport SMTP Receive AveragebytesPerMessage |
| SMTP Inbound Connections | The number of incoming connections that the SMTP server allows. | MSEExchange Transport Smtpt Receive ConnectionsInboundCurrent |
| SMTP Outbound Connections | The number of outbound connections that the server allows to all remote domains. | MSEExchange Transport SMTP Send ConnectionsOutboundCurrent |
| Average Delivery Time | The average time, in milliseconds, between an Exchange server receiving a message from the client, and an Exchange server delivering the message to an Inbox. | MSEExchangeIS Mailbox AverageDeliveryTime |
| Active Connections | The number of connections to the Exchange store that have shown activity in the last 10 minutes. | MSEExchangeIS ActiveConnectionCount |
| Active Client Logons | The number of clients that performed any action within the last 10-minute time interval. | MSEExchangeIS Mailbox ActiveClientLogons |
| Active User Count | The number of unique user connections that have logged on to the server and shown activity in the last 10-minute time interval. | MSEExchangeIS ActiveUserCount |
| Current Webmail Users | The number of unique users currently logged in to Outlook Web Access. This counter decreases when users manually log out or their sessions time out. | MSEExchangeOWA CurrentWebmailUsers |
| Webmail User Logons Per Second | The number of Outlook Web Access logins or login attempts per second. | MSEExchangeOWA WebmailUserLogonsPerSec |
| RPC Averaged Latency | The average time, in milliseconds, it takes for the last 1,024 packets to be processed. | MSEExchangeIS RPCAveragedLatency |
| RPC Operations Per Second | The rate that RPC operations occur, and implicitly, how many RPC requests are outstanding. | MSEExchangeIS RPCOperationsPerSec |
| RPC Requests | The number of client requests that are currently being processed by the Exchange store. | MSEExchangeIS RPCRequests |

The Uptime Infrastructure Monitor Exchange 2003 monitor collects the following performance metrics from a Microsoft Exchange 2003 server:

| Metric | Explanation | Performance Object |
|-------------------------|---|---------------------|
| Messages send per sec | The maximum number of messages that can be sent from the Exchange server each second. | MSEExchangeWeb Mail |
| Authentications per sec | The maximum number of authorization requests that can be sent from the Exchange server each second. | MSEExchangeWeb Mail |

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| IMAP4ConnectionsCurrent | The number of current IMAP4 (Internet Message Access Protocol version 4rev1) client connections that are being made to the server. | MSExchangeIMAP4Connections |
| POP3ConnectionsCurrent | The number of current POP3 (Post Office Protocol) client connections that are being made to the server. | MSExchangePOP3Connections |
| Count | The number of current SMTP client connections that are being made to the server. | SMTPRoutingConnection |
| Bytes Sent/sec | The total number of bytes sent per second by the Exchange SMTP server. | SMTP Server |
| Bytes Received/sec | The total number of bytes received per second by the Exchange SMTP server. | SMTP Server |
| Bytes Total/sec | The total number of bytes of information passing through the Exchange SMTP server per second. | SMTP Server |
| Local Queue Length | The number of messages in the SMTP queue that are scheduled for local delivery. | SMTP Server |
| Messages Sent/sec | The maximum number of messages per second allowed by the SMTP server | SMTP Server |
| Inbound Connections Current | The current number of incoming connections that the SMTP server allows. | SMTP Server |
| Outbound Connections Current | The current number of outbound connections that the server allows to all remote domains. | SMTP Server |
| Connection Errors/sec | The number of number of connection errors that occur per second. | SMTP |