



SysKit Insights

SharePoint Monitoring & Troubleshooting



SysKit is a software development company based in Zagreb, Croatia, Europe founded in 2009. We create innovative software solutions for SharePoint, Office 365, SQL Server, MS Windows RDS, and Citrix admins and consultants.

Technology Partners

Microsoft Partner
Gold Application Development
Silver Collaboration and Content





Customers

More than 3000 customers in more than 50 countries worldwide use our products!





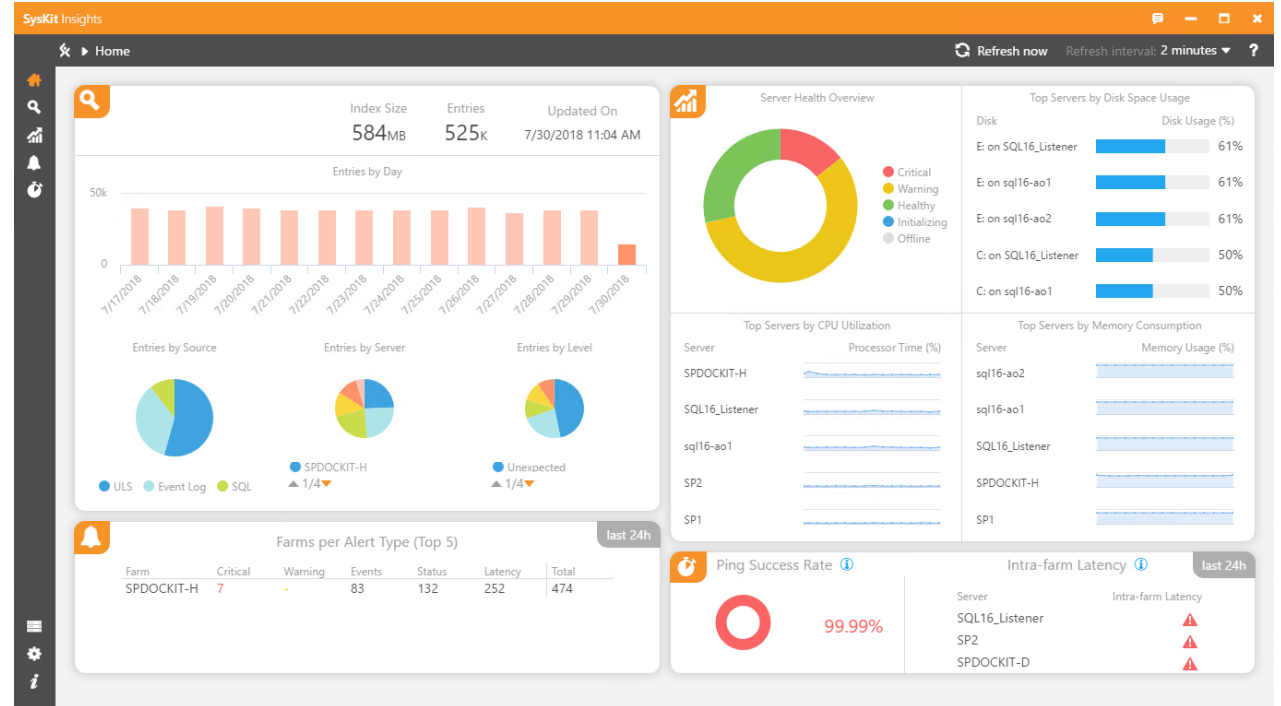
SysKit Insights

Product Overview



What is SysKit Insights?

- ▶ SysKit Insights is the tool for monitoring SharePoint performance and troubleshooting your servers via ULS logs, SQL logs, and Windows Event logs.
- ▶ SysKit Insights allows you to monitor performance across all servers and farms from a single centralized location.



BENEFITS:



Centralized overview of all your farms and servers in a single location



Easy bottleneck identification, quick and precise troubleshoot of the ULS logs



Up to date state of your servers and mission critical performance counters



Real-time email intelligent alerting, will minimize and downtime



Features Overview

Centralized Event Viewer

SysKit Insights has a powerful collecting engine that gathers *ULS, SQL and Windows Event logs* from all farms and servers in a single location.

SysKit Insights enables you to:

- ▶ Search, filter and export all logs for a specific server or a farm
- ▶ Query data by correlation ID, event ID, server, source or category
- ▶ Receive proactive alerts if specified event occurs

The screenshot displays the SysKit Insights Event Viewer interface. The top window shows a list of events for the 'database' source, filtered by 'All Time'. The events are categorized by level: Unexpected (14058), Critical (2023), Error (225), Information (20), and Warning (5). The bottom window shows a detailed view of events, filtered by 'Last 10 Minutes'. The events are categorized by level: Critical (2) and Unexpected (146). The detailed view shows the following events:

Time	Server	Type	Message
2/27/2018 3:36 PM	SP1	Uls	Can not connect to configuration database: System.Data.SqlClient.SqlException (0x80131904): Login fail
2/27/2018 3:36 PM	SP1	Uls	Can not connect to configuration database: System.Data.SqlClient.SqlException (0x80131904): Login fail
2/27/2018 3:36 PM	SP1	Uls	SQL database login for 'SP16Farm_Config' on instance 'SQL2014-001' failed. Additional error informatic
2/27/2018 3:36 PM	SP1	Uls	Can not connect to configuration database: System.Data.SqlClient.SqlException (0x80131904): Login fail
2/27/2018 3:36 PM	SP1	Uls	Can not connect to configuration database: System.Data.SqlClient.SqlException (0x80131904): Login fail
2/27/2018 3:36 PM	SP1	Uls	Can not connect to configuration database: System.Data.SqlClient.SqlException (0x80131904): Login fail
2/27/2018 3:36 PM	SP1	Uls	Can not connect to configuration database: System.Data.SqlClient.SqlException (0x80131904): Login fail

The detailed view also shows the following events:

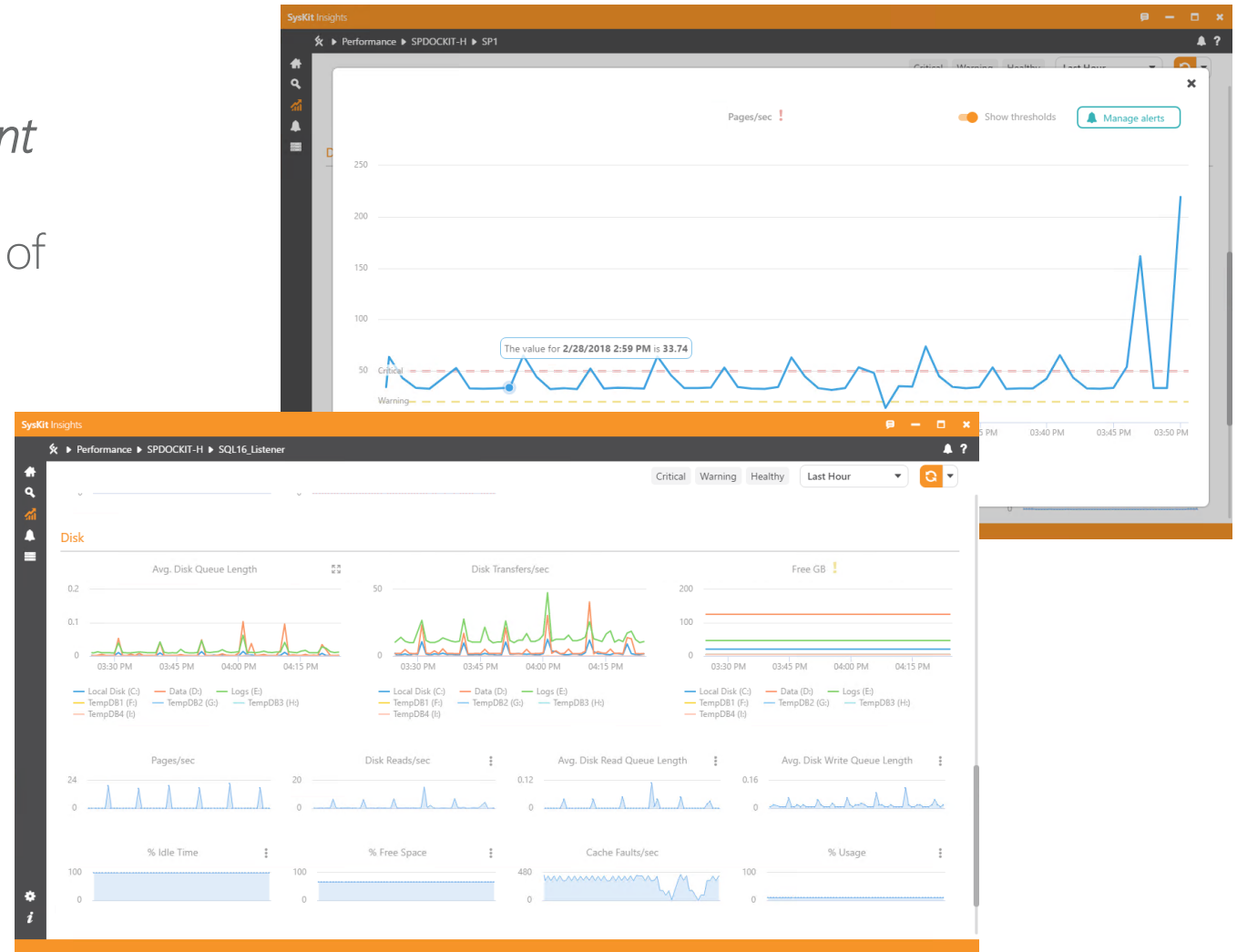
Time	Server	Type	Message
2/27/2018 3:56 PM	SPDOCKIT-D	Secure Store Service	The Microsoft Secure Store Service application Secure Store Service failed to retrieve the master secret key. The error returned was: 'Failed to ...'
2/27/2018 3:56 PM	SPDOCKIT-H	Secure Store Service	The Microsoft Secure Store Service application Secure Store Service failed to retrieve the master secret key. The error returned was: 'Failed to ...'
2/27/2018 3:56 PM	SPDOCKIT-D	SharePoint Foundation	SPLoggingLock held lock for 110 milliseconds. Call stack: at Microsoft.SharePoint.Utilities.SPLoggingLockTag.Dispose() at Microsoft.SharePoint...
2/27/2018 3:56 PM	SPDOCKIT-D	SharePoint Foundation	SPLoggingLock held lock for 110 milliseconds. Call stack: at Microsoft.SharePoint.Utilities.SPLoggingLockTag.Dispose() at Microsoft.SharePoint...

SharePoint Performance Monitoring

Insights allows you to monitor *30+ SharePoint specific performance counters* for all servers across all farms, or drill down and examine each server individually.

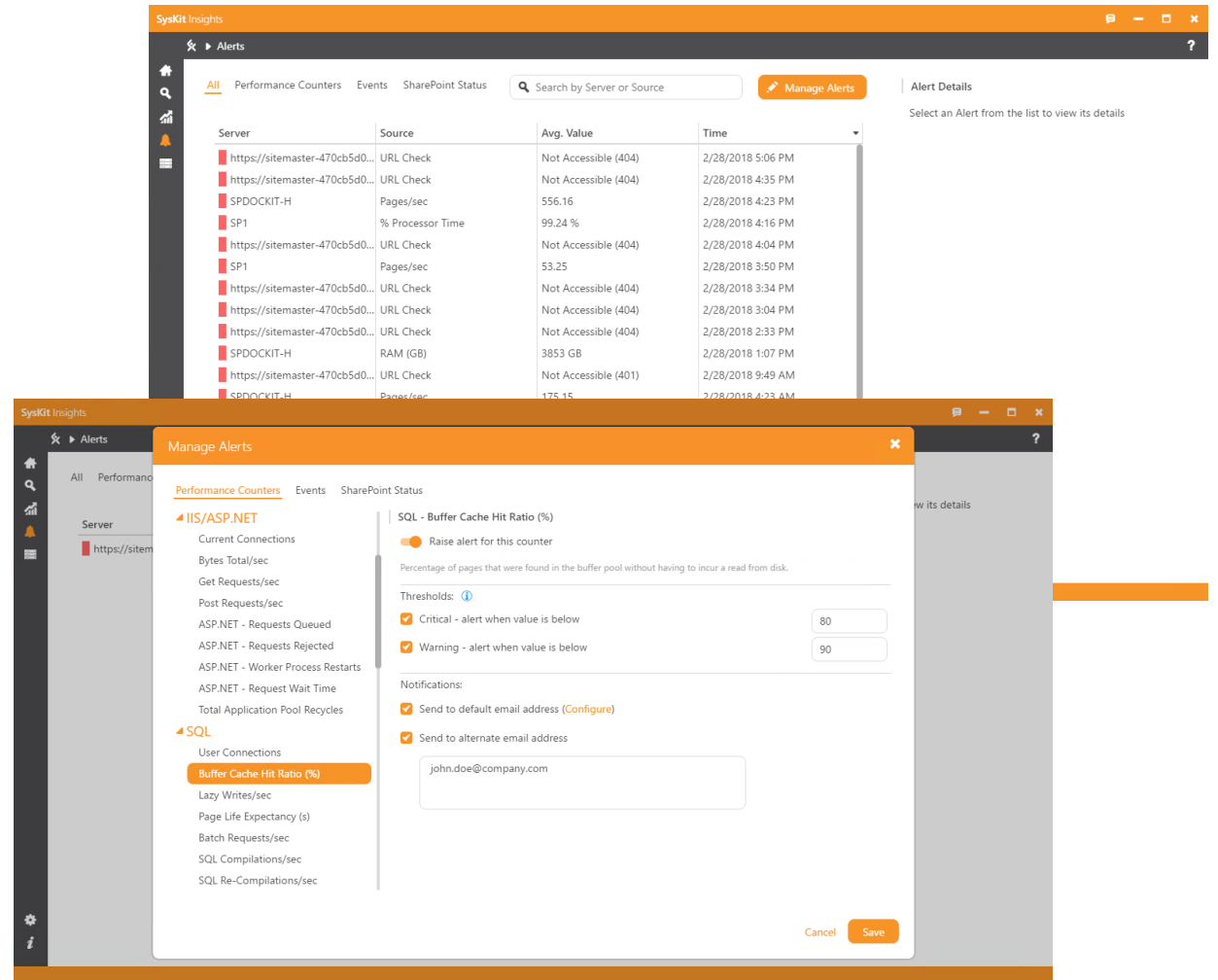
Performance monitoring helps you:

- ▶ Keep an up to date overview of all servers and farms states
- ▶ Detect all warning level or critical issues
- ▶ Identify protentional bottlenecks
- ▶ Predict future trends



Intelligent Alerts

- ▶ Insights' intelligent alerting system monitors *server performance*, *SharePoint status*, and all relevant *SharePoint Events* so it can proactively alert you to any potential problems.
- ▶ Get an instant email notification for any potential issue, such as:
 - ▶ SharePoint downtime or service stopping
 - ▶ Specific error log occurring
 - ▶ Performance counters reaching critical threshold



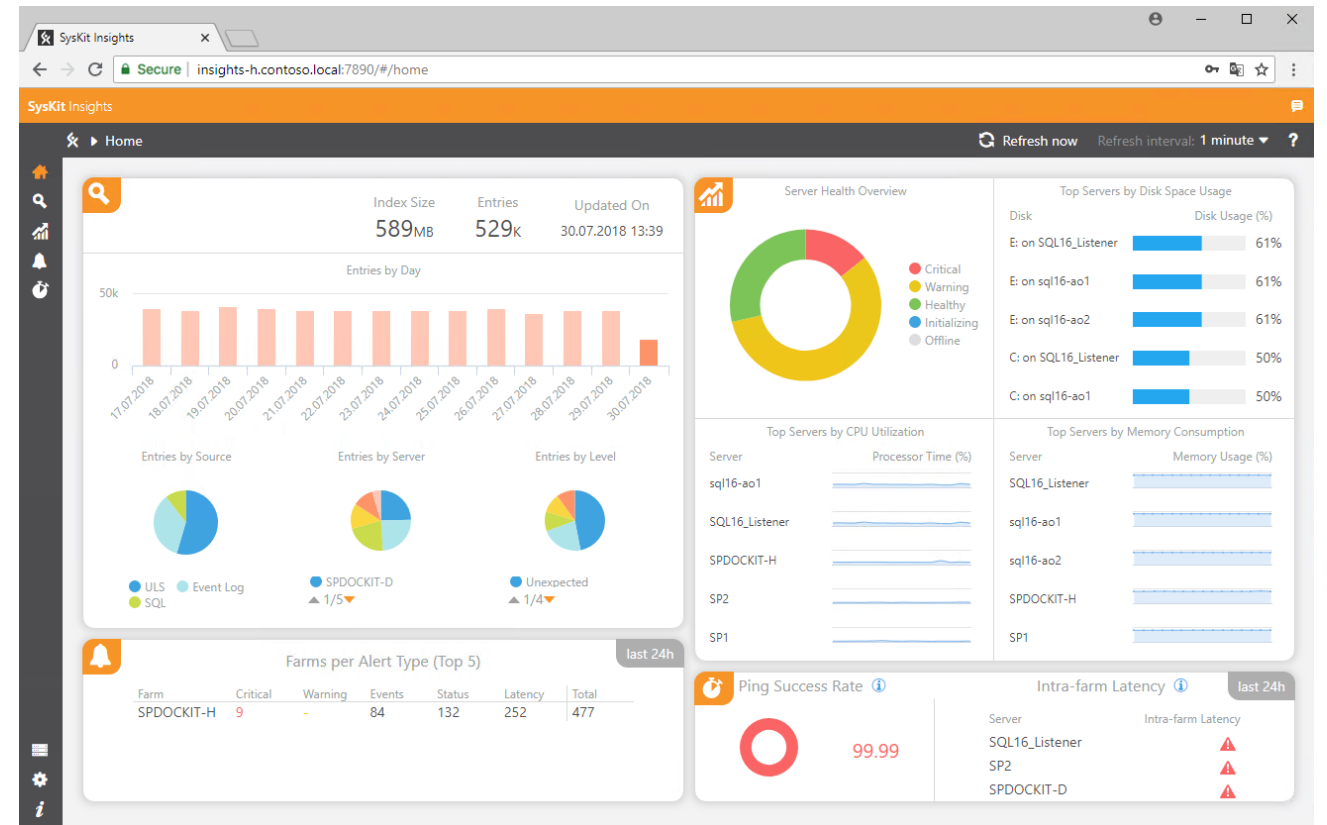
The screenshot displays the SysKit Insights Alerts interface. The top window shows a list of alerts with columns for Server, Source, Avg. Value, and Time. The bottom window shows the 'Manage Alerts' dialog for the 'SQL - Buffer Cache Hit Ratio (%)' counter. The dialog includes a 'Raise alert for this counter' checkbox, a description of the counter, and threshold settings for Critical (80) and Warning (90) alerts. Notification settings are also visible, including a checkbox to 'Send to default email address' and a text input field for the email address.

Server	Source	Avg. Value	Time
https://sitemaster-470cb5d0...	URL Check	Not Accessible (404)	2/28/2018 5:06 PM
https://sitemaster-470cb5d0...	URL Check	Not Accessible (404)	2/28/2018 4:35 PM
SPDOCKIT-H	Pages/sec	556.16	2/28/2018 4:23 PM
SP1	% Processor Time	99.24 %	2/28/2018 4:16 PM
https://sitemaster-470cb5d0...	URL Check	Not Accessible (404)	2/28/2018 4:04 PM
SP1	Pages/sec	53.25	2/28/2018 3:50 PM
https://sitemaster-470cb5d0...	URL Check	Not Accessible (404)	2/28/2018 3:34 PM
https://sitemaster-470cb5d0...	URL Check	Not Accessible (404)	2/28/2018 3:04 PM
https://sitemaster-470cb5d0...	URL Check	Not Accessible (404)	2/28/2018 2:33 PM
SPDOCKIT-H	RAM (GB)	3853 GB	2/28/2018 1:07 PM
https://sitemaster-470cb5d0...	URL Check	Not Accessible (401)	2/28/2018 9:49 AM
SPDOCKIT-H	Pages/sec	175.15	2/28/2018 4:23 AM

Web Browser Access

You can use SysKit Insights in Google Chrome in all its glory.

It offers the **same functionality** that you have in your desktop app with the added benefit of being able to **simply share** URL of a report or a graph with your colleagues.



SharePoint Intra-Farm Latency Monitoring

Microsoft requires that your latency is less than 1ms, 99,9% of time in a 10-minute period.

SysKit Insights will **constantly monitor your latency** and alert you if it's subpar. This way you will instantly know if an error occurs or your network/virtualization teams degrade the underlying layer.

The image displays two screenshots of the SysKit Insights application. The top screenshot shows the 'SysKit Insights Settings' window, specifically the 'Performance Monitoring' and 'Intra-farm Latency Configuration' sections. The 'Intra-farm Latency Configuration' section shows that 'Server Latency Check Enabled' is checked, and the 'Ping response time threshold' is set to 1 ms.

The bottom screenshot shows the 'Latency' monitoring dashboard. It features a table of servers and a 'Server Interval Details' table. The server table shows the following data:

Server	Ping Success Rate	Intra-farm Latency
Farm: SPDOCKIT-H		
SP1	100%	⚠️
SP2	100%	⚠️
SPDOCKIT-D	100%	⚠️
sql16-ao1	100%	⚠️
sql16-ao2	99.99%	⚠️
SQL16_Listener	100%	⚠️
SPDOCKIT-H	100%	✅

The 'Server Interval Details' table shows the following data:

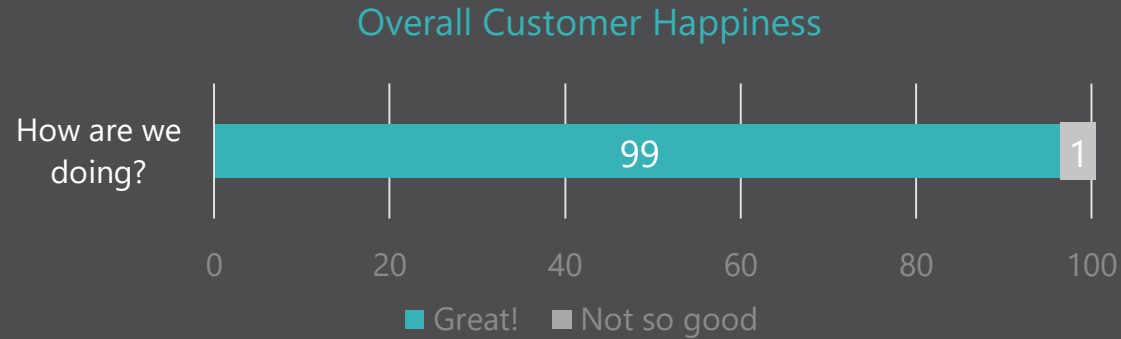
Time	Pings Longer than 1 ms	Maximum Latency	Ping Success Rate
10:34:49 AM-10:44:49 AM ...	11.81% (4507)	16 ms	100.00% (38176/38176)
10:24:43 AM-10:34:43 AM ...	8.16% (3089)	15 ms	100.00% (37849/37850)
10:14:37 AM-10:24:37 AM ...	9.57% (3597)	12 ms	99.99% (37576/37578)
10:04:31 AM-10:14:31 AM ...	10.42% (3981)	19 ms	100.00% (38196/38196)
9:49:21 AM-9:59:21 AM 7/3...	6.33% (2400)	18 ms	100.00% (37897/37898)
9:36:02 AM-9:46:02 AM 7/3...	10.75% (4076)	21 ms	100.00% (37911/37912)
9:25:56 AM-9:35:56 AM 7/3...	6.64% (2535)	61 ms	100.00% (38196/38196)
9:15:40 AM-9:25:40 AM 7/3...	8.33% (3128)	11 ms	99.99% (37531/37533)
9:05:34 AM-9:15:34 AM 7/3...	10.08% (3819)	17 ms	100.00% (37895/37896)
8:55:27 AM-9:05:27 AM 7/3...	8.43% (3146)	29 ms	99.99% (37302/37305)
8:45:16 AM-8:55:16 AM 7/3...	7.93% (3002)	21 ms	100.00% (37867/37868)
8:35:10 AM-8:45:10 AM 7/3...	10.02% (3828)	23 ms	100.00% (38208/38208)
8:25:04 AM-8:35:04 AM 7/3...	6.00% (2289)	11 ms	100.00% (38164/38164)
8:14:53 AM-8:24:53 AM 7/3...	7.19% (2723)	15 ms	100.00% (37861/37862)
8:04:47 AM-8:14:47 AM 7/3...	10.54% (3898)	32 ms	99.99% (36991/36995)
7:54:40 AM-8:04:40 AM 7/3...	7.41% (2784)	15 ms	99.99% (37589/37591)
7:44:29 AM-7:54:29 AM 7/3...	7.82% (2984)	16 ms	100.00% (38169/38169)
7:34:23 AM-7:44:23 AM 7/3...	7.96% (3044)	16 ms	100.00% (38218/38218)
7:24:17 AM-7:34:17 AM 7/3...	5.35% (2028)	11 ms	100.00% (37917/37918)



Support

Customer Support

Super friendly, always ready and free of charge!



**Statistics are collected by 3rd party from the last 100 customers that used our service. Powered by Zendesk*



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