

Table of Contents

1	Performance Reports
1	Features and Benefits
2	Anatomy of a Performance Report
3	Key Performance Indicators
3	Selecting KPIs and Columns
4	Key Performance Indicator Definitions
4	User Report Definitions
5	Queue Report Definitions
6	Company Numbers Report Definitions
7	Finding Trends
8	Setting Report Filters
8	Time and Date Filter
9	Call Type Filter
9	Queues Filter
9	Queue Report
10	User Report
11	Call Length Filter
11	User Filter
13	Queue Reports
13	Access Queue Data
15	User Report
15	Access Individual User Data
18	Company Numbers Report
19	Call Detail Report
20	Report Functionality
20	Report Purpose
22	Subscriptions
22	Save a Report
22	Create a Subscription
23	Delete or Edit a Subscribed Report
24	Frequently Asked Questions



Performance Reports

RingCentral Performance Reports is an additional tool that enables you to research call records to determine your business unit performance. By using Key Performance Indicators (KPI) as well as targeted filters, Performance Reports assists you in combining user, queue, and call activity to evaluate performance.

The reports explained in this guide are the following:

Report	Information Provided
User Activity	User performance in the context of inbound and outbound calls for the call segment that is relevant to each user. If User Groups are in use (Ultimate and Premium plans), only users from queues and defined user groups are available for monitoring. See also How can I add users to user groups? on page 26.
Queue Activity	Call queue performance for the call segment that is relevant to each queue.
Call Activity	Lists the breakdown of the call records with basic meta data.

To find these reports,

- Step 1. From the Admin Portal, click **Reports** > **Analytics Portal**.

 You can also navigate to the beta site by clicking here.
- Step 2. In the left column, select **Performance Reports**.

Features and Benefits

You can take advantage of performance reporting to streamline your evaluation of issues with these features and benefits:

- Dozens of available Key Performance Indicators (KPIs) for a deeper understanding of performance
- New modern interface, with extremely fast performance
- Targeted filters available for all reports providing better investigation
- Highly customizable reports to individualize reporting experience
- Enhanced capabilities to better match customer behaviors

Performance and Company Numbers reports allow you to visualize data in the form of a time-based trend. To see up to two KPIs and their trend results, follow the instructions explained in Finding Trends on page 7.



Anatomy of a Performance Report

Reports can be accessed directly from an external link and opens in a new browser. To find the User Activity report,

- Step 1. From the Admin Portal, select Reports > Analytics Portal.
- Step 2. In the left margin, select **Performance Report**.

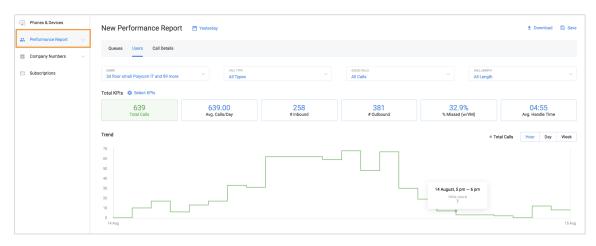


Figure 1 Performance Report

Note: The supported browsers include Chrome, Firefox, Safari, and Edge.

The Performance report consists of three parts: Queues, Users and Call Details. Subscriptions is an additional feature of the performance report.

For each report, the top portion of the report shows filters, in which you specify the conditions for the report result.

Beneath that are the Overall KPIs for the reports. These are calculated based on the subtotal of all calls in the report.

The bottom portion of the report features a table containing a breakdown of the entities of the report, each with their own KPI and the ability to sort by column. For example, the User Report contains individual user details and their user specific KPIs. The Queue Report contains a breakdown of individual call queues and their specific KPIs.

Key Performance Indicators

For each of the provided reports. RingCentral provides Key Performance Indicators (KPIs) that enable you to research a single detail or a selection of those that interest you. Some performance indicators are unique to the report while others may be used in different types of reports.

Selecting KPIs and Columns

These controls help you to select which KPIs are relevant for your current need, and provide a definition for each KPI.

- Choose the overall KPIs by using the Select KPI control.
- Select an individual breakdown of report elements using the Select Column control.

Each report contains its own unique KPIs.

- Clicking Show KPI description displays the KPIs with a detailed explanation.
- The Show Selected link displays only the user selected KPIs with an indicator as to how many are selected, while the Show All link shows both selected and unselected KPIs.
- See the subsets of the KPIs using the tabs in the control (All, Inbound, Outbound). User Report Only
- Clicking Done adds the KPIs to the report.

A list of the KPIs available for Performance reports and their definitions can be found on the following pages.

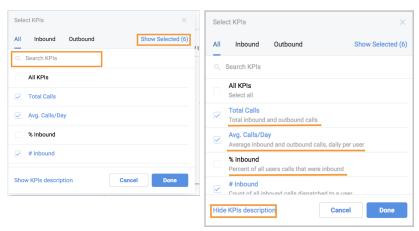


Figure 1 Selecting Columns and KPIs



Key Performance Indicator Definitions

The following are definitions for the key performance indicators for user reports:

User Report Definitions

Indicator	User Report Definitions
Total Calls	Total inbound and outbound calls.
Avg Calls/Day	Average inbound and outbound calls, daily per user.
% Outbound	Percent of all users calls that were outbound.
# Outbound	The number of all outbound calls made by a user.
% Inbound	Percent of all users calls that were inbound.
# Inbound	The number of all inbound calls dispatched to a user.
# Answered	The number of all inbound calls answered by a user.
% Answered	Percent of all inbound calls answered by a user.
% Voicemail	Percent of all calls in which the user was left a Voicemail.
# Voicemail	The number of all calls in which the user was left a Voicemail.
% Missed Calls	Percent of user's inbound calls that were missed (including voicemails).
# Missed Calls	Amount of all user's inbound calls that were missed (including voicemails).
Total Handle Time	Total amount of time the user spent on calls.
Total Handle Time (in)	Total duration handle time of all inbound calls.
Total Handle Time (out)	Total duration of all outbound calls. For outbound calls, the handle time is equal to the call length.
Avg Handle Time	Average duration of all calls from answered till terminated.
Avg Handle Time (in)	Average handle time of all inbound calls.
Avg Handle Time (out)	Average handle time of all outbound calls.
Avg. Hold Time	Average duration of hold time per call where a caller was put on hold.
Total Hold Time	Duration of hold time for calls selected.
# Holds	Amount of holds for the calls selected.
#Transfers	The number of calls that were transferred.
# Refused	Count of calls that rang to completion for a user and they did not pick up the call.
% Transferred	Percentage of call that were transferred.



Indicator	User Report Definitions
Avg. Speed to Answer	Amount of time from when call started ringing until it was answered.
# Abandon on Hold	The number of calls that were abandoned while the caller was put on hold.
# Abandon on Park	The number of calls that were abandoned while the caller was put on Park.
# Park (on)	The number of calls that were put on park.
# Park (off)	The number of calls that were taken off park.
Avg. Park Time	Average time of all park durations.
Total Park Time	The total time calls were on park.
Total Call Sessions	The number of established connections. This can be several calls (for example, due to transfers) within a call session.

Queue Report Definitions

Indicator	Queue Report Definition
# Inbound	The number of all inbound calls to a queue calls.
# Answered	The number of all inbound calls answered on the queue.
% Answered	Percent of all inbound calls answered on the queue.
# Abandon	The number of all queue calls that were not answered by a user (includes VM).
% Abandon	Percent of all queue calls that were not answered by a user (includes VM).
% Voicemail	Percent of all calls in a queue in which the queue user or queue was left a Voicemail.
# Voicemail	The number of all calls in a queue in which the queue user or queue was left a Voicemail.
Total Handle Time	Total amount of talk and hold time the user spent on calls in a queue.
Avg. Handle Time	Average duration of talk and hold time.
Avg. Speed of Answer	Amount of time from when call started ringing until it was answered.
Total Hold Time	Duration of hold time for calls selected.
# Holds	Amount of holds for the calls selected.
Avg. Wait Time	Average time a call waited in a queue. This metric includes abandoned calls.
Longest Wait Time	Longest time a call waited in a queue. This metric includes abandoned calls.
# Overflow Answered	The number of queue calls answered in an overflow queue.
% Overflow Answered	Percent of queue calls answered in an overflow queue.
# Refused Calls	The number of answered queue calls that were rejected by at least one user in the queue.
# Abandon on Hold	The number of calls that were abandon while the caller was put on hold.



Indicator	Queue Report Definition
Avg. Park Time	Average time of all park durations.
% SLA	Percent of incoming calls answered during the desired time threshold to a total number of incoming calls (available for Live Reports customers/users only)

Company Numbers Report Definitions

Indicator	Company Numbers Report Definitions
# Inbound	Amount of all inbound calls routed to the number.
#Answered	Amount of all inbound calls routed to the number and answered by users.
% Answered	Percent of all inbound calls routed to the number and answered by users.
#Missed Calls	Amount of all number's inbound calls that were missed (including voicemails).
%Missed Calls	Percent of number's inbound calls that were missed (including voicemails).
#Voicemail	Amount of all calls to a number in which a voicemail message was left.
%Voicemail	Percent of all calls to a number in which a voicemail message was left.
Total Handle Time	Total amount of time a user spent handling (live talk and hold) calls for the number.
Average Handle Time	Duration of hold time for the calls selected.
#Holds	Amount of holds for the calls selected.
Avg. Hold Time	Average duration of hold time per call where a caller was put on hold.
#Transfers	The number of calls that were transferred to another extension.
#Abandon on hold	The number of calls that were abandoned while the caller was put on hold.
#Park (On)	The number of calls that were put on park.
#Park (Off)	The number of calls that were taken off park.
Total Park Time	The total time that calls were on park.
Avg. Park Time	Average time of all park durations.
#Abandon on Park	The number of calls that were abandoned while the caller was put on park.
IVR/Answered	The number of calls that were abandoned during an IVR prompt.
Avg. Calls/Day	Average daily inbound and outbound calls per number.



Finding Trends

To visualize data in the form of a time-based trend. You can see up to two KPIs at a time. Follow these steps:

- Step 1. Click **Select KPIs** on either Performance (**User** or **Queues** tab) or Company Numbers report.
- Step 2. Select one or two KPIs to be visualized.
- Step 3. Click up to two KPIs to display in a trend.

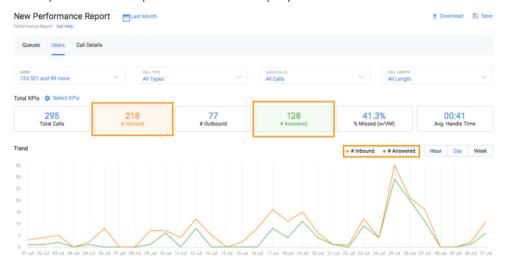


Figure 2 Finding trends

You can select the trend's granularity, by presenting the data by the hour, day, or week.

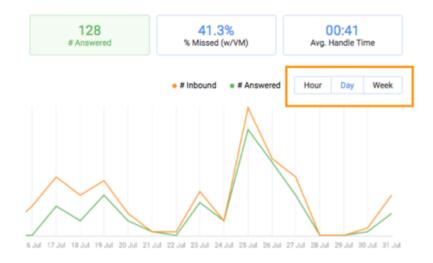


Figure 3 Trend Frequency

Setting Report Filters

Filters enable you to specify the conditions for which calls appear in the report. You can click on a filter and select the desired parameters that generate the data in the report.



Figure 1 Filters

Time and Date Filter

You can select the time period (both dates and time) that the reports are supposed to be shown. A user may choose from presets or a custom range of dates.

- Select preset time periods on the left side of the control. By clicking on one of these options the relative dates area is automatically selected on the calendar.
- Enter the exact dates you would want reported in the Custom Range text boxes. You can also select dates from the calendar itself where the first date selected is the beginning of the time period and the second is the end.
- Select a single date and you are given the option to select the time period within that day in the Custom Range selector field.
- Clicking Done adds the filter to the report.

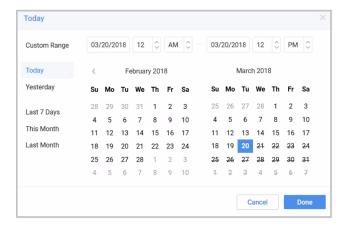


Figure 2 Time/Date Filter



Call Type Filter

Select the types of calls that should appear in the report. Upon opening the Call Type filter you can select one of three choices:

- All Calls: external and internal
- Internal: Calls between users within the RingCentral network
- External: Incoming and outgoing calls to/from the RingCentral network

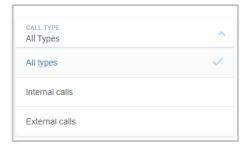


Figure 3 Call Type Filter

Queues Filter

There are two versions of this filter, one in the Queue Activity Report and one in The User Report.

Queue Report

Filter calls from specified queues for the report. To see the data for all queues, ensure that all queues are selected using the header row. See Figure 4.

- Search for specific queues using the search box.
- Click the check box on the header row to select/de-select all.
- Display the selected users, and amount indicator by using the *Display Show Selected* link.
- Display both selected and unselected KPIs using the *show all* link.
- Clicking **Done** adds the filter to the report.



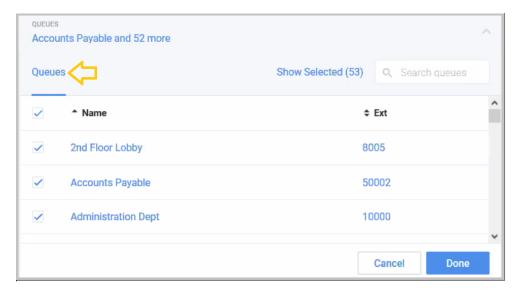


Figure 4 Queue Report Filter

User Report

Specify the calls that are important to monitor: all calls, non-queue calls, or any specific queue calls.

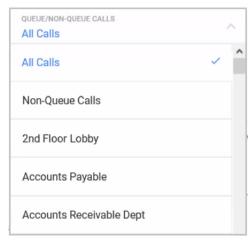


Figure 5 User Queue Filter

Call Length Filter

Exclude very short and very long calls from your report.

- Selecting a call time in the *less than* column excludes all calls whose call duration is less than the selected time.
- Selecting a call time in the *greater than* column exclude all calls whose call duration is greater than the selected time.
- Clicking **Done** adds the filter to the report.

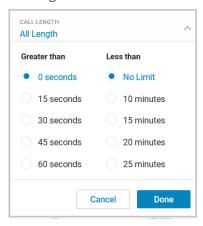


Figure 6 Call Length Filter

User Filter

Select which individual or set of users will be included in the report. The list will contain no more than 100 users at any time, other accessed, via search. The tool does not allow you to select more than 2000 users at a time. A user may add only a set of individual users or groups, not both. There are two tabs: Users and Groups.

- Users
 - If there are no "User Groups" defined, you can select users or extensions by using the search box.
 - Display the users that have already been selected by using the Show Selected link.

Groups

- Those set up in User Groups appear in the Users and Groups list.
- The Groups Tab displays available User Groups. You can select a complete group. Click the check box on the header row to select/ de-select all.
- Identify individual groups for selection by using the search box.
- Clicking on **Done** adds the filter to the report.

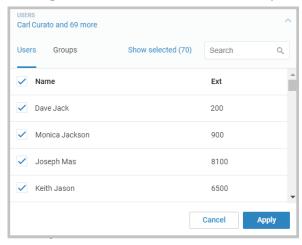


Figure 7 User Filter



Queue Reports

Queue Reports provide performance data on calls that come in to your organization queue(s). There are a multitude of KPIs that can be used to measure activity and call volume of a queue. The KPIs in this report are those that relate to your queue performance (for the list of KPIs see Key Performance Indicators — Queue Reports). The report also includes, a date filter, a Queue filter, a Call Type filter and a Call Length filter.

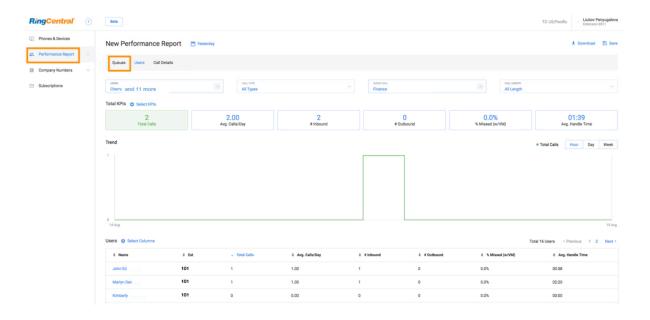


Figure 1 Queue Report

Access Oueue Data

Upon clicking on an individual queue from the Queues table, you will drill down into the performance metrics of the individual users for calls from the selected queue, which allows you to investigate queue issues on the user level.

Once in the report, you can select relevant KPIs, filter for specific users, time period and so on, that will help you understand the root cause of the issues identified. You can always navigate back to the original queue report by clicking the Queue tab.



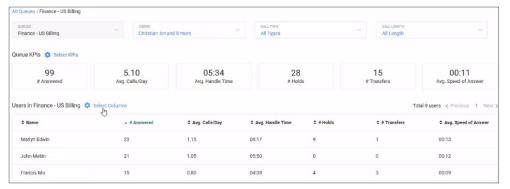


Figure 2 Queue Access

User Report

The User Report provides data on user performance in the context of inbound and outbound calls. There are a multitude of KPIs that can be used to measure activity and user call volume. The KPIs in this report relate to your user performance (for the list of KPIs see Key Performance Indicators — User Reports). The User Report also includes a Date filter, a Queue filter, a Call Type filter and a Call Length filter.

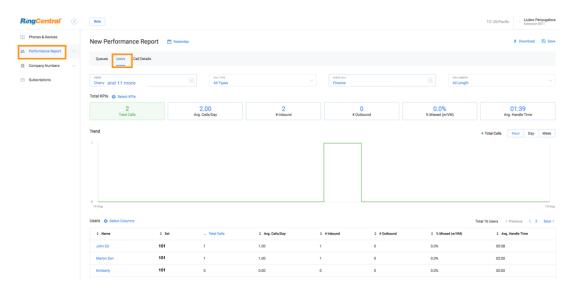


Figure 1 User Report

Access Individual User Data

Upon clicking on an individual user from the User table, you will drill down to the call records, in the Call Detail Report for that user. The records shown are based on the filters selected in the user report for that individual user. This allows you to investigate users on the individual call level.



Figure 2 An Individual Call Detail Report



Company Numbers Report

You can generate a report from RingCentral Analytic Portal by specifying company numbers. See also, Finding Trends on page 7. The KPIs available for this report can tell you details, such as:

- The number of all inbound calls to a specific number
- The number, or percent of all inbound calls answered on a company number
- The number or percent of all calls to a company number in which a Voicemail was left.
- The number or percent of all calls that were missed (includes Voicemail).
- The total amount of handle time the user spent on the calls on a company number. Handle time is all live talk time and all hold time.
- The average duration of a company number call, from answered until terminated. This includes live talking plus time on hold. For example: ringing time, IVR message playing time, and so on, are not included in this metric.
- The amount if calls placed on hold for the numbers selected, the average hold time, or the number of abandoned calls put on hold.
- The number of calls transferred, parked (or answered from park), total park time and the number of calls abandoned while the caller was put on park.

Note: We currently only provide data on inbound calls received through company numbers.

To create a Company Numbers Report follow these steps:

- Step 1. From the **Admin Portal**, select **Reports** > **Analytics Portal**. You can also navigate to the beta site by clicking here.
- Step 2. In the left column, select **Company Numbers**. The Company numbers report is displayed.

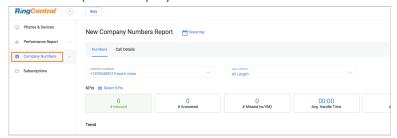


Figure 1 Company Numbers Report



Call Detail Report

The Call Detail Report creates a breakdown of the individual call records that make up the filters selected. Each record includes the following columns:

- From
- To
- Call Start Time
- Call Direction
- Queue
- Call Length
- Result
- Handle Time
- Session Map

The report also includes, a Date filter, a Queue filter, a Call Type filter, a Call Length filter, and a text search calls filter.

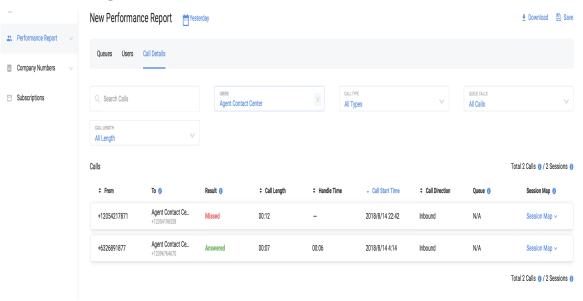


Figure 1 Call Detail Report

Report Functionality

You can download, save, subscribe on a save, or delete reports. To do so, see Figure 2.

Download	Download the report in a PDF or Excel format.
Save	Save your report configuration (for example: KPIs, filters), under a new name or overwrite the report using the same name.
	Access saved reports by clicking on the report name in the side menu under the User Report or Queue Report headings.
Subscribe	Subscribe on a saved report to get it via email (up to 15 recipients) mailboxes on a daily/weekly/monthly basis.
Delete	Delete a saved report.



Figure 2 Basic Report Functions

Report Purpose

A Call Details report captures important information on calls and sessions. The call experience of someone contacting an organization depends on how many people to whom they speak, how long their wait time lasts, and so on. The overall experience is a caller's session. However, for the call recipient, every phase is a separate call. Figure 3 shows both notions: session and call.

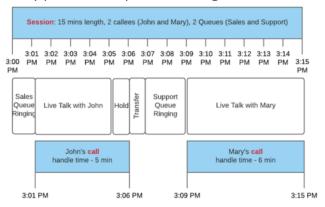


Figure 3 Call Detail Experience

In most cases one session includes only one Live Talk phase and so would equal one call. In the case shown in Figure 3, only the session level is displayed.



Figure 4 Session level

When several call receivers participate in handling one session, calls of selected users are displayed automatically, as shown in Figure 5

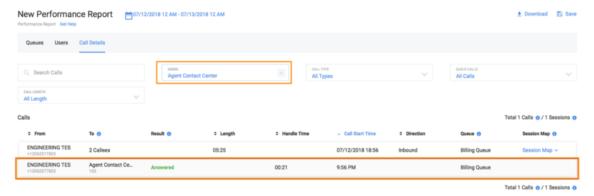


Figure 5 Automatic Display of Session

As shown in Figure 5, the following scenarios can happen. Column "To" for header is a number of callees; or, the participants (call recipients) who handled the call:

- If a call length is 5 minutes and handle time is 1 min, the caller waited 4 minutes to talk with your user for 1 minute.
- If you see multiple callees in "To" and several Queues, this information shows that the caller was transferred several times between several queues.

Note: While the download functionality allows the exporting of calls data, it is not possible to export session maps.

Subscriptions

RingCentral Analytics Portal provides a way for you to automatically generate reports and send them via email to recipients. For example, if you would like a report generated that shows the number of calls that were abandoned while the caller was put on hold, you can do so with a subscription setting for a Queue Report.

To make use of the Subscription feature, you must first save a generated report. After that, you can use the Subscription page to send the report via email.

Save a Report

Follow these steps to save any report.

- Step 1. Navigate to the type of report for which you want to generate a subscription.
- Step 2. Select the menu items from the provided drop-down menus and **Select KPIs** for the report and run it.

You can also click **Subscribe** in the upper right corner and the **Create New Subscription** page opens.

Step 3. In the upper right, click **Save**.

A window opens for you to enter a report name.



Step 4. Enter the report name.

Create a Subscription

To create a subscription for a report, follow these steps:

- Step 1. From the **Admin Portal**, select **Reports > Analytics Portal**.
- Step 2. In the left column, select **Subscription**.



The Subscriptions management page appears.

Step 3. Click Create Subscription.

The Create New Subscription page appears. Now enter the **General Information** for the subscription.

Step 4. Enter the **Subscription Name**.

Enter the name you would like to use for the ongoing report. For example: *Weekly Hold Call Drop.*

- Step 5. Select the **Report Type**.
- Step 6. Select the **REPORT** from your saved reports.

Only the reports you have generated are available to you in this list.

- Step 7. Select the tabs (Queue, User, Call) to subscribe. It could be one or several. This is a multiple choice field named, **Tabs**.
- Step 8. Select the **Email Delivery Schedule**.

Set the day of the month, week, hour, and AM/PM settings.

For monthly subscriptions, we do not provide the day of the week but only the day of month, hour and PM/AM.

Step 9. Select the **File Type** to be generated.

Choose from Excel or PDF format.

- Step 10. Enter the email address for the recipient of the report in the **Email the report to** field. You can specify more that one email address by clicking the plus sign (+) and adding other email addresses (up to 15 recipients per subscription).
- Step 11. Click Create Subscription.

The subscribed report is shown in **Subscriptions management**.

Delete or Edit a Subscribed Report

To delete or edit a subscribed report, follow these steps.

Step 1. Click the three dots to the right of the subscribed report.





Frequently Asked Questions

RingCentral Reports provides information on call statistics. It enables you to use Key Performance Indicators (KPIs) to further review call activity.

This feature is available to RingCentral Office Enterprise, Premium, and Standard editions and can be viewed by users whose roles include **Reports** permissions enabled.

To troubleshoot issues involving your network, refer to the Knowledge base article: RingCentral Network Requirements and Recommendations and the RingCentral QoS Reports User Guide.

There are a range of questions the Reports can help you answer. they are detailed in the following sections.

- How can I see user information including users, call type, calls by queue or group, calls by time length?
- How can I sort information in the report?
- How can I show the user activity by specific date, Last 7 Days, This Month, Last Month, or a custom range?
- How can I see the number of internal or external phone calls?
- How can I see the number of internal or external phone calls to particular Company Numbers?
- How can I navigate by Key performance indicators: All KPIs selected, Inbound, Outbound, or selected KPIs?
- How can I page through the list of users?
- How can I see information about a specific User?
- For the Queue Report, User Report, and Company Numbers Report, how can I select the columns that will appear in the report?
- How can I turn off all the numbers listed in the Company Numbers Report?
- How can I understand whether my users handle calls as expected? Are there too many transfers? Are callers are put on hold/park too often?
- How can I add users to user groups?

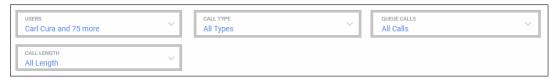


How can I see user information including users, call type, calls by queue or group, calls by time length?

To see this information,

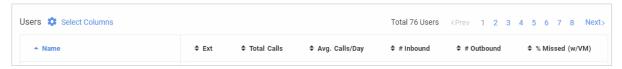
- Step 1. From the Admin Portal, select Reports > Analytics Portal.
- Step 2. In the left margin, click **Performance Report > User** tab.

At the top of this report display, you'll see menus for access to this information. Each menu lets you filter using multiple choices per menu for specific details.



How can I sort information in the report?

Once you are in the **User Report**, there are arrows at the top of each sortable column.

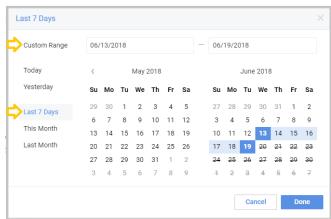


How can I show the user activity by specific date, Last 7 Days, This Month, Last Month, or a custom range?

Step 1. Click on the calendar icon at the top of the page.



Step 2. Create a custom range or click the option of your choice.



Step 3. Click **Done** and the report refreshes to show your selection.

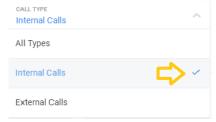
How can I see the number of active users?

The total number of active users is always shown in the USERS menu at the top of the report. The USERS are listed below and the list can also be paged. Click a page location to move through the list



How can I see the number of internal or external phone calls?

You can see the number of internal or external phone calls by clicking on the **Performance Report** > **User** tab > **CALL TYPE** menu. The result instantly

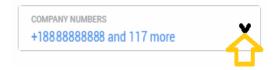


populates the list you see.

How can I see the number of internal or external phone calls to particular Company Numbers?

If you would like to see the number of internal or external phone calls to a particular phone number, then use the **Company Numbers** Report.

- Step 1. From the Analytics Portal, select **Company Numbers Report**.
- Step 2. Click the Company Numbers down arrow.



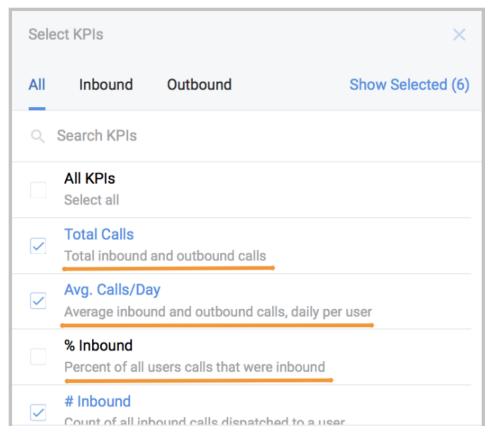
The Company Numbers window opens.

- Step 3. Enter the particular company number in the **Search** field.
 - As you enter the number, likely numbers appear.
- Step 4. Select the check box for the number you are searching.
- Step 5. Click **Done**.

The Company Numbers Report is generated and appears for the given telephone number. How can I navigate by Key performance indicators: All KPIs selected, Inbound, Outbound, or selected KPIs?

- Step 1. From the Analytics Portal, select **Performance Report > User** tab.
- Step 2. Next to KPIs, click Select KPIs.

A window opens that lets you select those KPIs you would like to search. Use the scroll bar to see all the KPIs listed.



You can also choose to show or hide KPI descriptions.

Step 3. When you have finished selecting KPIs, click **Done**.

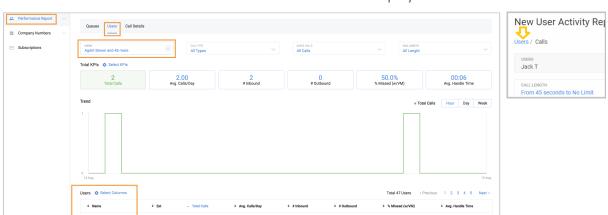
How can I page through the list of users?

You can page through the displayed list of names by using the provided tool.



How can I see information about a specific User?

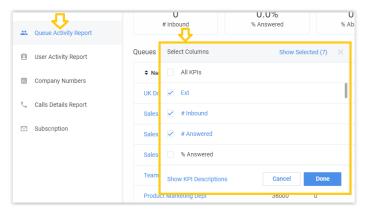
- Step 1. Navigate to the **Analytics Portal** > **Performance Report** > **User** tab.
- Step 2. Click directly on a name listed under **Users**.



The User's information is displayed.

For the Queue Report, User Report, and Company Numbers Report, how can I select the columns that will appear in the report?

- Step 1. From the Analytics Portal, select **Performance Report > User** tab.
- Step 2. Click **Select Columns**. The Select Columns window appears.



Step 3. When you have finished selecting/de-selecting columns, click **Done**.

How can I turn off all the numbers listed in the Company Numbers Report?

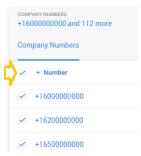
When you are searching for a specific phone number, you may want to turn off the other numbers displaying. To do so,

- Step 1. From the Analytics Portal, select **Company Numbers Report**.
- Step 2. Click the Company Numbers down arrow.



The Company Numbers window opens.

Step 3. De-select the top most check box in the list.



All check boxes become unchecked.

How can I understand whether my users handle calls as expected? Are there too many transfers? Are callers are put on hold/park too often?

The answers to these questions can be found by doing the following:

- Step 1. Open the user report.
- Step 2. Select the users whose activity you are interested.
- Step 3. In the Select columns, choose the metrics. For example, select #/& Transfers, #/% of holds and #/% of Parks (on).
- Step 4. Sort the users by the selected metrics which identify those who make more transfers (use more holds, parks, and so on) than others.

How can I add users to user groups?

You can add users to user groups by using these steps:

- Step 1. Log in to https://service.ringcentral.com
- Step 2. Navigate to User tab.
- Step 3. Select User Groups on the left panel.
- Step 4. Click + User Group.
- Step 5. Add Users to the group so you can analyze their performance in a User Report.

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