

# Measuring license usage by user

The information on this page refers to License Statistics 6.0 and newer, which introduced a new user interface (UI). If you are using a version previous to v6.0, see [documentation for previous versions](#).

Apart from measuring [license usage on a group basis](#), License Statistics lets you see statistics for license usage by user, during any period that usage was tracked. You can gain insight into user performance on a daily basis for a specific [feature](#) by using the [Features - History - Sessions](#) report.

## Example

On the 16th of August 2019, user John begins working at 09:00. He starts up his application, checks out two licenses on Host 1, and works until 1:00, at which time he goes out for lunch. As soon as he leaves, his colleague Sam takes over John's work and keeps using Host 1 until 3:00. John returns to work at 2:00, at which time he checks out three licenses on Host 2. Finally, John finishes work at 5:00.

The following grid shows the users (John and Sam), hosts (Host 1 and Host 2) and start and end times the feature was used by the users.

The screenshot displays the 'Feature: User History' report. It includes a 'General Information' section with fields for License Server (Catia Server - CATIA (Realtime)), Expiration (Permanent), Last Update Time (2019-08-21 14:04), and Shared on (VIRTUAL). A circular progress chart shows 0% used, borrowed, or reserved, with a total of 20 licenses. The 'Settings' section allows filtering by time period (2019-08-16) and interval (Custom). The 'User History' table lists three sessions:

	User	Host	Start Time ↑	End Time	Time Used
1	John	Host1	2019-08-16 09:00	2019-08-16 13:00	4 h
2	Sam	Host1	2019-08-16 13:00	2019-08-16 15:00	2 h
3	John	Host2	2019-08-16 14:00	2019-08-16 17:00	3 h

Much as the above information is valuable, it is still incomplete; what we really want to know is how long John and Sam were using these licenses, i.e. what fraction of license time available to the company they used up. Therefore, what we need to see is:

John: 4 hrs x 2 licenses + 3 hrs x 3 licenses = 17 hours used

Sam: 2 hrs x 2 licenses = 4 hours used

The above value is relevant, because it is exactly what we are paying for. In other words, if we purchase 10 licenses for a month, we're paying for 10 licenses x 30 days x 24hrs = 7200 license hours. And naturally, the goal is to utilize as much of these license hours as possible. Otherwise, we're wasting money on licenses we're not using.

## Example 2

The same scenario would be handled differently in the [Features - History - Usage Per User](#) report, which lets you select the start and end dates; define whether you want to see daily, weekly, monthly, quarterly, or even yearly statistics; narrow down results using filters that include or exclude applications, users or groups; and control what the results look like. You can also apply several other filters to be get fine-grained results that give you exactly the usage facts that interest you.

**Report: Usage Per User** Administrator

Select License Server:

Select Feature:

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**Settings**

Aggregation:     Grouped by:     Time Interval:     Start Date:     End Date:

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**Usage Per User**

	Date	User	Host	License Server	Feature			Max Usage	Hours Used	Max Used	Hours Borrowed	Max Borrowed
					Name	Version	Type					
1	2019-08-16	John	Host1 Host2	Catia Server	catia_license	3.0	Floating	<div style="width: 15%; background-color: green;">15.00%</div>	17.00	3	0.00	0
2	2019-08-16	Sam	Host1	Catia Server	catia_license	3.0	Floating	<div style="width: 10%; background-color: green;">10.00%</div>	4.00	2	0.00	0

The above grid shows that user John used licenses that were checked out for a total of 17 hours (from 9:00 to 1:00 and then from 2:00 to 5:00), and that the number of licenses used at the same time ("Max Used") was 3. We can also see that the maximum level of feature usage ("Max Usage") was equal to 15%. User Sam, on the other hand, used licenses between 1:00 and 3:00, so the number of hours used was 4.

For information about current license usage, see [Measuring current license usage](#).