

Usage Calculation and Reporting:

Usage for SELECT is calculated by the calendar hour. A calendar hour is an hour based on the clock, so 8:00:00 - 8:59:59; 9:00:00 - 9:59:59 and so on are the hourly increments. The easiest way to picture this is, imagine a bucket for each hour:



When an application is used on a machine, a usage for that application/machine combination is "put" into the bucket for that hour. Each application will have its own set of buckets. The bucket with the most usage becomes the daily peak usage and thereby the number recorded for that application on that day.

One thing to keep in mind, once a usage is put in the bucket, the application may run as many sessions within that hour as needed, but will only be recorded as 1 usage for that machine during that hour. So if I opened 50 sessions of MicroStation in the course of an hour on my laptop (concurrently or in succession it doesn't matter), that usage would be recorded as 1 for my laptop.

The Summary Report illustrates the end result of this calculation. This report looks at MicroStation usage in some of our offices. The "Peak Pooled" number represents the 'fullest bucket' for that day. The "Machines" number reflects how many unique machines recorded a usage during that day.

SELECT Server - Utilization Summary Report					
From: 5/14/2007 To: 5/20/2007					
Utilization by site by application:					
Site	Application	Features	Machines ▼	Peak Pooled	
				Usage	Date
Bentley Exton Office	MicroStation		348	228	5/16/2007
IOU General Use	MicroStation		63	38	5/15/2007
Bentley Hoofddorp Office	MicroStation		60	34	5/15/2007
Bentley Huntsville Office	MicroStation		56	34	5/14/2007
NAOU General Use	MicroStation		36	21	5/15/2007
Bentley Melbourne Office	MicroStation		32	19	5/17/2007
Bentley Bensheim Office	MicroStation		23	12	5/16/2007
Bentley Sunrise Office	MicroStation		21	16	5/14/2007

On May 16th at the Bentley Exton Office site, 348 unique machines utilized MicroStation that day, whilst 228 instances of MicroStation were recorded (peak pooled) within the same calendar hour.

Email Notifications:

Email notifications can be set in SELECT Server to automatically notify you when an over-usage has been recorded. Simply go to the "Server Settings" page of the SELECT Server administrator and look for the "Mail Settings" section:

Mail Settings:

The notification service requires a SMTP mail server in order to send out notifications. Enter the name of your mail server below.

SMTP Server Name	<input type="text" value="asd"/>	<input type="button" value="Apply"/>
SMTP Server Port	<input type="text"/>	<input type="button" value="Verify"/>
Administrator Email	<input type="text" value="dasd@asd.as"/>	<input type="button" value="Reset"/>
From Address	<input type="text" value="saa.ssd@dasd.as"/>	
<input type="checkbox"/> SMTP server requires authentication	<input type="checkbox"/> This server requires an encrypted connection (SSL)	
SMTP Account	<input type="text"/>	
SMTP Password	<input type="password"/>	

Fill out the fields as they apply to your email system.

Usage Posting Control:

Whilst usage of Bentley applications cannot be 'capped' to quantity owned by SELECT Server, the administrator can control whom may post usage. A white list of users (those allowed to post usage) can be maintained with "Client Access Restrictions". The list may include machine names, IP address, IP range, or domain name. Once set, any machine not included in the list will not be able to post usage for any Bentley application managed by SELECT Server.