



## Time&Space Audit log

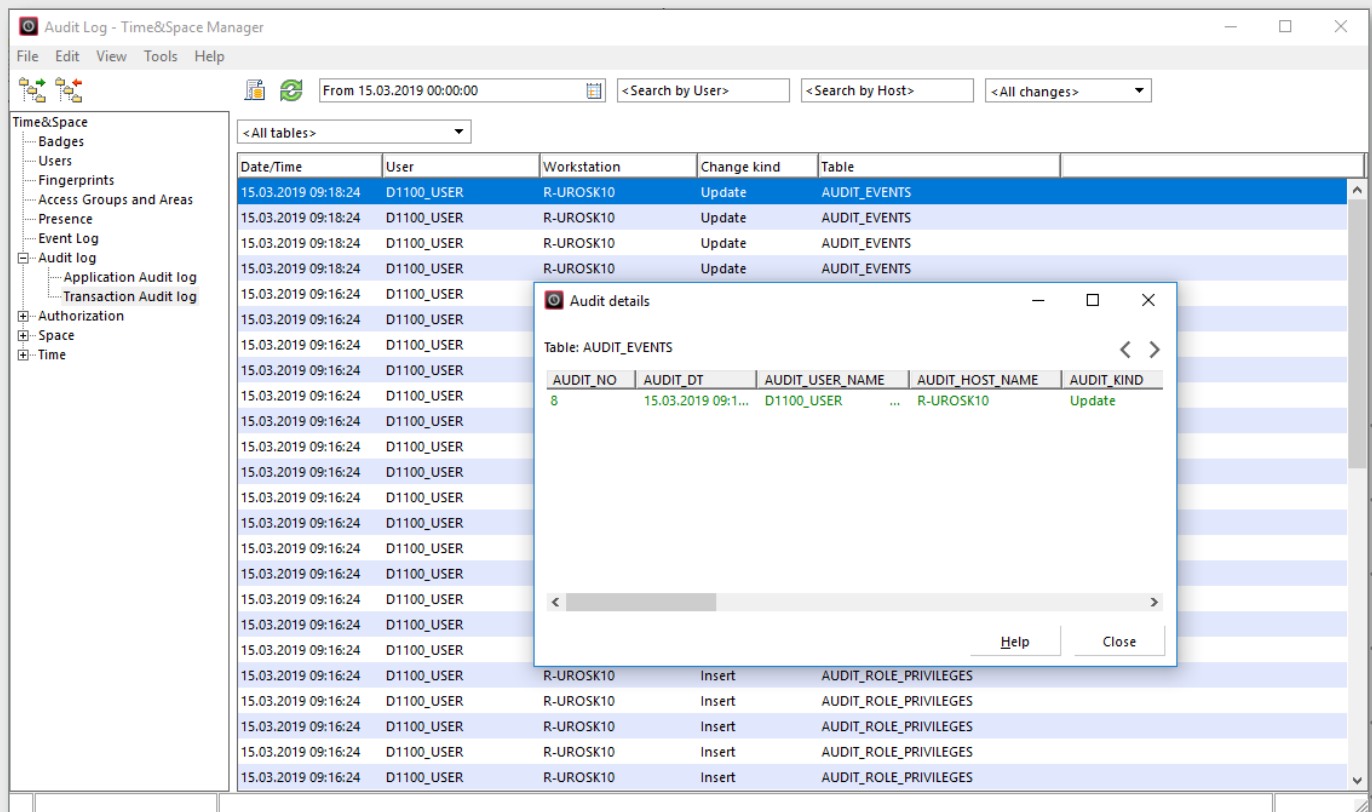
Audit Log Time&Space module is a tool for tracking all administrative actions in the Time&Space system. Since every such action is recorded, all data manipulation becomes fully transparent and can be audited at any later time. Since actions such as view, edit or delete cannot be hidden from audition, audit log also serves as strong deterrent against any administrative data abuse.

Besides its preventive role, Audit Log also greatly simplifies forensic searches, virtually eliminating the risks of undetected data violations, such as unauthorised access or privacy breaches. All this greatly enhances privacy protection, data integrity and system security in general.

Time&Space Audit Log provides two levels of audition:

**Transaction audit log** is collected on the database level and will answer the following questions:

- ❓ When did the event/action happen?
- ❓ Which database account was responsible?
- ❓ From which location on the network?
- ❓ Which database table was affected?
- ❓ What kind of database action was done?



Audit log greatly enhances privacy protection, data integrity and system security in general.

**Application audit log** is collected on the application level and contains information not available on the transaction level. It will give answers to the following questions:

- ❓ When did the event/action happen?
- ❓ Which user account was responsible?
- ❓ From which location on the network?
- ❓ Which application was used?
- ❓ What data was affected?
- ❓ What kind of action was done?
- ❓ What are the action details (e.g. the value before and after)?
- ❓ Was the action completed successfully?

Date/Time	Workstation Address	Application	User	Entity	Action	Details	Status
15.03.2019 09:05:43	R-UROSK10.spica.si	Time&Space Manager	Connor Phoenix	Counters	Add	Name= Education	OK
15.03.2019 09:05:39	R-UROSK10.spica.si	Time&Space Manager	Connor Phoenix	Event Definitions	Edit	Name= Job	OK
15.03.2019 09:05:31	R-UROSK10.spica.si	Time&Space Manager	Connor Phoenix	Categories	Edit	Name= Extra Leave	OK
15.03.2019 09:03:44	R-UROSK10.spica.si	Time&Space Manager	Connor Phoenix		Login		OK
15.03.2019 09:03:00	R-UROSK10.spica.si	Time&Space Manager	Connor Phoenix	Time Events	Edit	Foss Stadding, Old value= E	OK
15.03.2019 09:00:26	R-UROSK10.spica.si						OK
15.03.2019 08:59:37	R-UROSK10.spica.si						OK
12.03.2019 14:42:07	R-UROSK10.spica.si						OK
12.03.2019 14:33:37	R-UROSK10.spica.si						OK
12.03.2019 14:08:49	R-UROSK10.spica.si						OK
12.03.2019 14:07:50	R-UROSK10.spica.si						OK
12.03.2019 14:07:43	R-UROSK10.spica.si						OK
12.03.2019 14:07:31	R-UROSK10.spica.si						OK
12.03.2019 14:05:57	192.168.12.156						OK
12.03.2019 14:05:40	192.168.12.156						OK
12.03.2019 14:00:50	127.0.0.1						OK
12.03.2019 14:00:38	R-UROSK10.spica.si						OK
12.03.2019 14:00:27	127.0.0.1						OK
12.03.2019 14:00:27	127.0.0.1						OK
12.03.2019 14:00:12	R-UROSK10.spica.si						OK
12.03.2019 13:58:40	R-UROSK10.spica.si						OK
12.03.2019 13:58:31	R-UROSK10.spica.si						OK
12.03.2019 13:58:03	R-UROSK10.spica.si						OK
12.03.2019 13:57:42	R-UROSK10.spica.si						OK
12.03.2019 13:57:28	R-UROSK10.spica.si						OK
12.03.2019 13:57:13	R-UROSK10.spica.si						OK
12.03.2019 13:56:34	R-UROSK10.spica.si						OK

Audit log as a system feature is required by law in the EU and some other countries for all business software dealing with sensitive employee information. Both time and attendance and access control track employee movement and thus fit into that category.