



Contact Tracing Tool

This tool can be quickly downloaded and implemented into System Galaxy to track individuals based on the access control readers in which they have presented a credential. This report also provides a date and time stamp of the credential presentation. The reporting tool was developed to assist end-users in identifying potential contamination risk for areas within their facility or close contact exposure for employees.

For example, if an employee is diagnosed with COVID-19, a report of which areas of the building they entered over the past few days and who else was in the room with them can be pulled up. This is critical in letting the rest of the staff be aware of their risk of exposure and prevent the virus from spreading further.

All necessary instructions are presented when the tool is opened.

The tool can be run on the machine with the SG database, or any machine on a local area network that can reach the SQL Server.

- System Galaxy is not required to be on the machine where the tool is used.
- The tool produces .csv files that are compatible with Microsoft Excel, Open Office, Google Sheets, etc.
- There are no dependencies beyond .Net 3.5
- MS Office is not required to be on the machine where the tool is executed.
- No install is required, it is a stand-alone portable executable.

STEP 1

OUTPUT 1

POTENTIAL EXPOSURE:
(Access of common readers/spaces within the specified time window)

EMPLOYEE_ID	FIRST_NAME	LAST_NAME
32569923	Mary	Rahman
32569846	Adrienne	Baley
32283622	Bernice	Barnes
32269915	Rebecca	Bart

STEP 2

OUTPUT 2

DATE_TIME	EMPLOYEE_ID	HH:MM:SS Before/After	READER_NAME	FIRST_NAME	LAST_NAME
2020-03-31 08:47:08	32381435	00:06:47 Before	3FL Lobby Entry	Christy	Schaeffer
2020-03-31 08:48:04	32363242	00:05:51 Before	3FL Lobby Entry	Shawn	Best
2020-03-31 08:49:48	32388788	00:04:07 Before	3FL Lobby Entry	Bonnie	Kominske
2020-03-31 08:52:47	32399035	00:01:08 Before	3FL Lobby Entry	Jennifer	Lavie
2020-03-31 08:53:55	32219963	0	3FL Lobby Entry	Joan	Campbell
2020-03-31 08:54:41	32448605	00:00:46 After	3FL Lobby Entry	Alli	Hussaini
2020-03-31 08:57:53	32383417	00:03:58 After	3FL Lobby Entry	Eric	Dixon
2020-03-31 08:58:54	32387705	00:04:59 After	3FL Lobby Entry	Nicole	Smith
2020-03-31 08:59:11	32369897	00:05:16 After	3FL Lobby Entry	Kimberly	Sochenko