

DATA ACCURACY MAINTENANCE

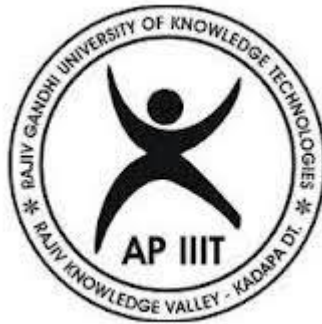
By

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Under the Guidance of

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Rajiv Gandhi University of Knowledge Technologies (RGUKT),
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as a part of
partial fulfillment of the degree of Bachelor of
Technology in Computer Science and Engineering

Date : 30-04-2023

CERTIFICATE OF PROJECT COMPLETION

This is to certify that the report entitled “**Data Accuracy Maintenance**” submitted by **G. Naveena** bearing ID.No. **R170030** in partial fulfillment of the requirements for the award of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out by them under my supervision and guidance .

The report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

Project Guide,

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Assistant Professor,

Dept of CSE,

RGUKT RK, Valley.

Head of the Department,

Satyanandaram,

Assistant Professor,

Dept of CSE,

RGUKT RK Valley.

Declaration

We, hereby declare that this report entitled “**Data Accuracy Maintenance**” submitted by us under the guidance and supervision of **Mr.A. Mahendra** is a bonafied work. We also declare that it has not been submitted previously in part or in full to this university or other university or institution for the award of any degree or diploma.

We will be solenly responsible if any kind of plagiarism is found.

Date : 30-04-2023

R170030, G.Naveena

Place: RK Valley

Acknowledgement

We would like to express sincere gratitude to **A.Mahendra**, Our project guide for valuable suggestions and keen interest throughout the period of project work.

We are grateful to **P.Satyanandaram, HOD OF CSE** for providing excellent computing facilities and a congenial atmosphere for progressing with our project.

At the outset, I would like to thank **Rajiv Gandhi University of Knowledge and technologies, RK Valley** for providing all the necessary resources for the successful completion of our project work.

We express our thanks to all those who contributed for successful completion of our project work.

With gratitude,

G.Naveena R170030

ABSTRACT

The project is about Data Accuracy Maintenance to ensure we have latest owner in our contact list. This is achieved by sending dynamic emails to all the project owners where we specify the details of the project and will provide some options like keep, transfer, owner unknown and EOL. Here the project owners are asked to select one of the options, which is to be recorded in the database.

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1.INTRODUCTION

1.1 Introduction to the project

The aim of the project is to ensure we have latest owner in our contact list. This can be achieved through sending mails to each Point of Contact(Project owner) to each project in the list.

1.2 Importance of Project

The main objective of the project is to ensure latest owner in our contact list which will be used to contact the owner of the project if any issues occurred and also to contact if the project is inactive for long days.

2.Method

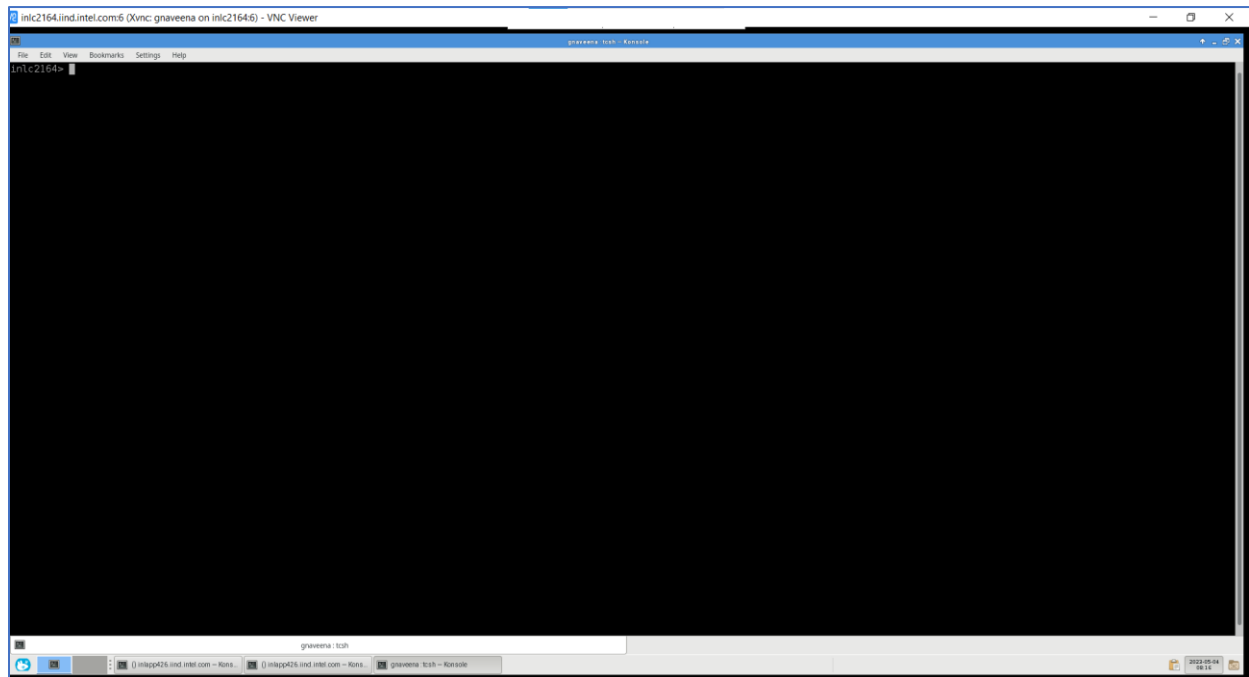


Fig. Environment to connect with servers and place to deploy our code

Initially the data regarding not updated point of contact for each project is gathered, cleaned and maintained in the excel sheet manually.

Project	Number of Contacts	Project Engineering Contacts	Email ID					
rcr	1	Swan, Robert D	robert.d.swan@intel.com					
mev	1	Istomin, Anatoly	anatoly.istomin@intel.com					
mev	2	Torres, Adi	adi.torres@intel.com					
thb	1	Nagarakanti, Amar Deep	amar.deep.nagarakanti@intel.com					
thb	2	Nilabh, Amber	amber.nilabh@intel.com					
thb	3	Gupta, Shishir	shishir.gupta@intel.com					
pr2	1	Baishya, Sravasti	sravasti.baishya@intel.com					
pr2	2	Polarouthu, Sudhir	sudhir.polarouthu@intel.com					
pr2	3	Murugendrappa, Vedamurthy	vedamurthy.murugendrappa@intel.com					
pr2	4	Adinarayana, K	k.adinarayana@intel.com					
pr2	5	Deka, Anup J	anup.j.deka@intel.com					
pr2	6	Tyagi, Shobhit	shobhit.tyagi@intel.com					
pr2	7	Mutchakarla, Kishore G N	kishore.g.n.mutchakarla@intel.com					
pr2	8	Ede, Ajay	ajay.ede@intel.com					
brk2	1	Zucker, Itay	itay.zucker@intel.com					
brk2	2	Efrat, Lior	lior.efrat@intel.com					
n5mstc	1	Venkatraman, Sivaramak	sivaramak.venkatraman@intel.com					
n5mstc	2	Gada, Purav	purav.gada@intel.com					
n5mstc	3	Meyer, John N	john.n.meyer@intel.com					
cnv2022	1	Sakhnini, Ravi	ravi.sakhnini@intel.com					
cnv2022	2	Goldstein, Yulia	yulia.goldstein@intel.com					
cnv2022	3	Yanovitch, Baruch	baruch.yanovitch@intel.com					
cnv2022	4	Weisman, Amir	amir.weisman@intel.com					
refcht	1	Yiew, Chin Koe	chin.koe.yiew@intel.com					
mlg	1	Venkatraman, Sivaramak	sivaramak.venkatraman@intel.com					
mlg	2	Meyer, John N	john.n.meyer@intel.com					
ddm	1	Ng, Hui Chyn	hui.chyn.ng@intel.com					
ddm	2	Paquet, David	david.paquet@intel.com					
mtp	3	Ong, Chuan Hap	chuan.hap.ong@intel.com					
mtp	2	Goh, Karen Liang Mei	karen.liang.mei.goh@intel.com					
mtp	3	Chin, Chee Loong	chee.loong.chin@intel.com					
mtp	4	Cheah, Soek Junn	soek.junn.cheah@intel.com					
mtp	5	Ong, Hui Yien	hui.yien.ong@intel.com					
egi	1	Keshet, Ronen	ronen.keshet@intel.com					

Fig. Not updated contact list information

The above mentioned excel sheet is moved to remote machines using **WinSCP**, which is used to connect to servers from our own desktop. The process involved is that we need to provide the following information

- 1.File Protocol
- 2.Host name
- 3.Port Number
- 4.Username
- 5.Password

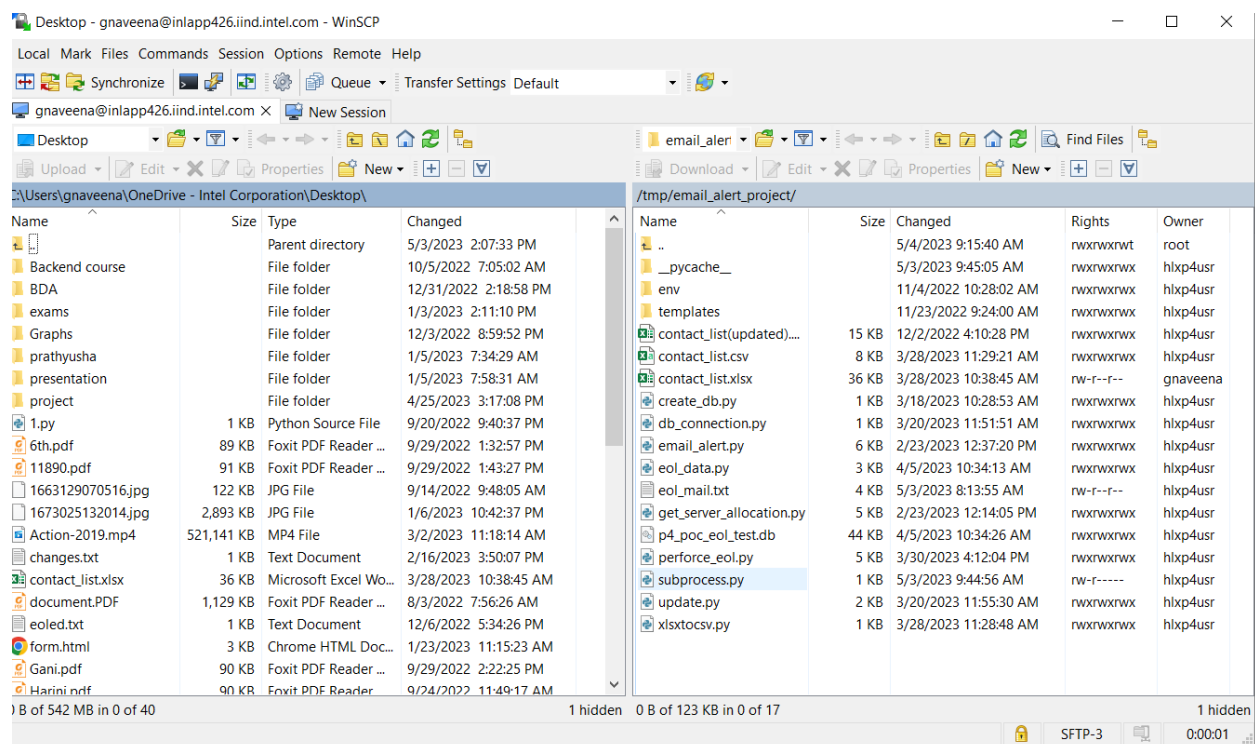


Fig. WinSCP

WinSCP is used to transfer files between local machine and remote servers, which is used in day to day life of software engineer.

The excel sheet data is then inserted into database table using python script. After that we are sending mails by retrieving information from database table.

We have to provide some options which is mentioned below

Keep - Select this option in order to continue keeping you as the POC for The project in our records.

Transfer – Select this option if you are no longer the POC and to transfer the project contact to a newly mentioned owner.

Owner Unknown - Select this option if you are no longer the POC and also if you are not aware of the current POC.

EOL – Select this option if the project is no longer active so that team would start the EOL process.

We are attaching a form for each option through which we update the database columns for updated point of contact.

3.Technologies Used

- Python
- Flask
- Jinja
- Html
- CSS
- Sqlite3
- Linux Commands

4.Result

The updated contact list is collected by rendering a web form and stored in database. This updated data is useful for contacting the owners if any information needed regarding that project.

EC DDM Team requires your support for improving data accuracy

P

perforce.eol.alert@intel.com

To Naveena, Guvvala

↩ Reply

↩ Reply All

➡ Forward

⋮

Mon 1/23/2023 10:23 AM

Hi Naveena Guvvala,

Addressing this e-mail to you as you have been identified as a primary **Point-Of-Contact** for one or more EC DDM projects.This notice is a part of automated process, designed to improve intel's data accuracy.

As the primary POC for the EC DDM project **thb** in our records, requesting you to take any one of the following actions:


- 1.**Keep** - Select this option in order to continue keeping you as the POC for the project in our records.
- 2.**Transfer** - Select this option if you are no longer the POC and to transfer the project contact to a newly mentioned user
- 3.**Owner Unknown** - Select this option if you are no longer the POC and also if you are not aware of the current POC.
- 4.**EOL**- Select this option if the project is no longer active so that EC DDM team would start the EOL process..

Action Required: Please click on the respective links in the table below to take appropriate action

NOTE: This project has been found idle/inactive in our system for more than 90 days


Project_Code	P4 PORT	Primary Customer Contact	Actions
thb	p4thbbae.sync.intel.com:4040	Naveena Guvvala	Keep Transfer Owner Unknown EOL

Fig. The email that blasts after executing the script



New POC e-mail id:

Fig. Form that will be rendered on clicking the transfer option.



Thank you Aditya, Khare!!

Fig. The form that will be rendered on clicking the keep, owner unknown and EOL options.

5. Conclusion

Instead of manually updating the owner list by contacting them individually, we are automating the process to reduce the manual work. If the project is inactive or not needed by customers any more, instead of the customers raising a ticket to EOL the project we can use this updated contact list data and mail response of cronjob that will ensure how many projects are inactive for more than 90 days, to contact the customers in order to EOL the project. The archival of project will free up some terabytes of disk space which can reduce the cost of buying new servers.

6.Future Scope

We can configure it as a cronjob, to run periodically at fixed times, dates, or intervals. This updated data is used to send the mails to point of contacts whose project is inactive for more than a specific period of time. The below flow chart well describes the scenario

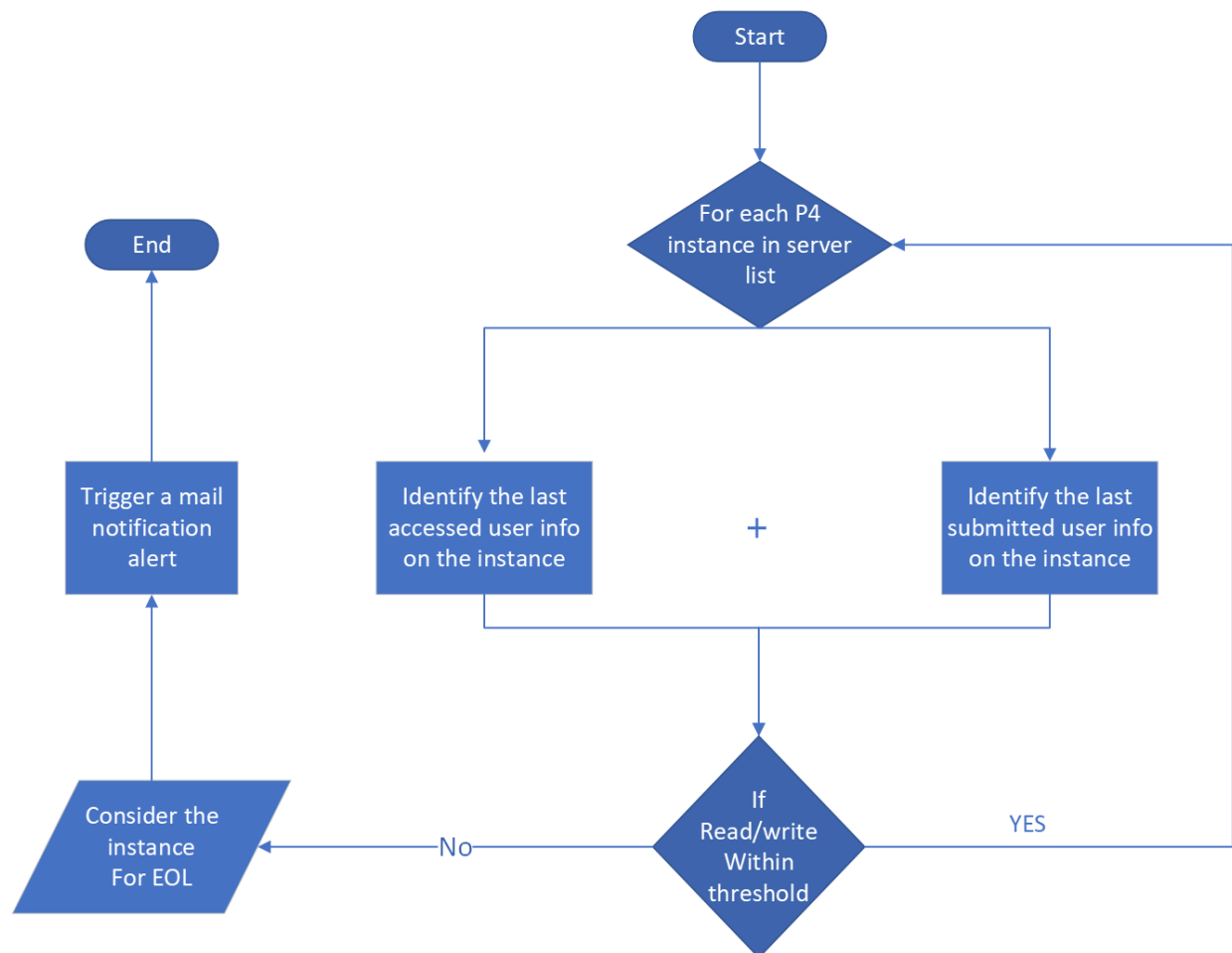


Fig. EOL Logic flow

7.References

- You Tube
- Google
- Stack Overflow
- Wiki pages of intel
- Scripts of my Buddy