



Active Research Data Management Tool

User Manual
Beta Testing – Version 0.1.1
October 2019

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1.0 RADIAM BETA TESTING 0.1.1

1.1 Objective

Radium software tool is at its mid development phase of integration and testing since the project rolled out on October 2018 and is scheduled to be available to the public by March 2020. Beta testing adds value to the tool as inputs provided by the users helps in enhancing the quality of the product further and leads to its success.

1.2 Scope

1.2.1 Product

- Evaluate the total user experience
- Assess software readiness
- Solicit feature requests

1.2.2 Quality

- Identify bugs to improve quality
- Evaluate real-world impact of known issues
- Analyze and improve real-world performance
- Test real-world compatibility

1.2.3 Usability

- Study and improve the user experience
- Assess the new user experience

1.2.4 Functionalities to test

- Download agent
- Agent configuration
- Agent crawling
- Dashboard view
- View users
- View group
- View group membership
- View locations
- View projects

2.0 SYSTEM REQUIREMENTS

2.1 Operating System requirements

Windows

- Windows 7 and later are supported, older operating systems are not supported (and do not work).

Mac

- Only 64 bit binaries are provided for macOS, and the minimum version supported is macOS 10.10 (Yosemite).

Linux

- Ubuntu 12.04 and later
- Fedora 21
- Debian 8

2.2 Hardware

Windows

- An Intel Pentium 4 processor or later that's SSE2 capable
- 512 MB of RAM

Mac

- An Intel processor that's 64-bit
- 512 MB of RAM

Linux

- An Intel Pentium 4 processor or later that's SSE2 capable

3.0 TESTING STEPS

2.1 User Creation and Login

- Users can be created by system administrators
- Newly created user will receive a welcome email with their username to be used to login
- Click "Radiam login page" to activate your account

Hello Rama,

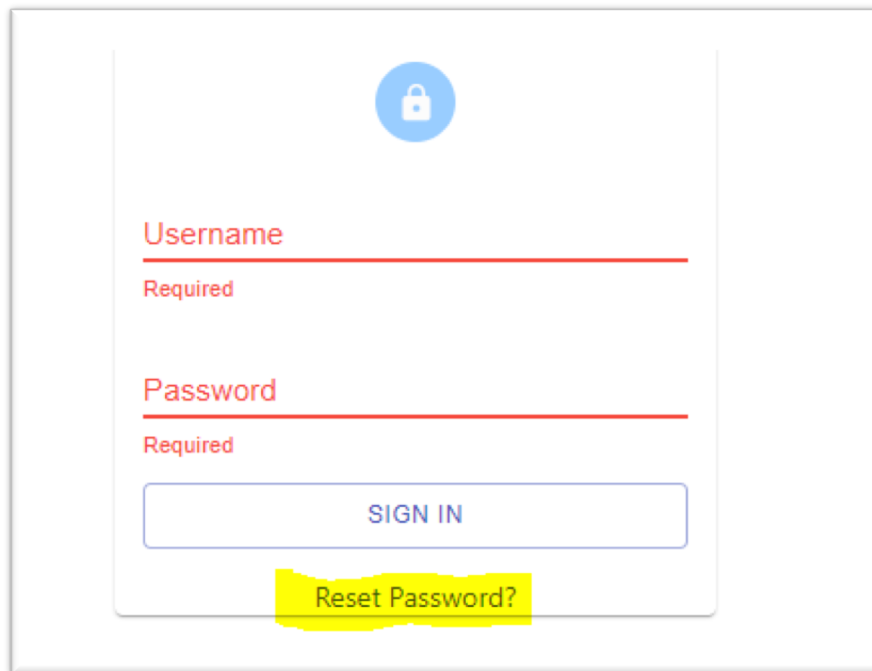
Welcome to Radiam. Your username is betatest011.

To activate your account, you'll need to click the "Forgot Password?" button on the login page to set a password.

Please visit the [Radiam login page](#) to complete this process.

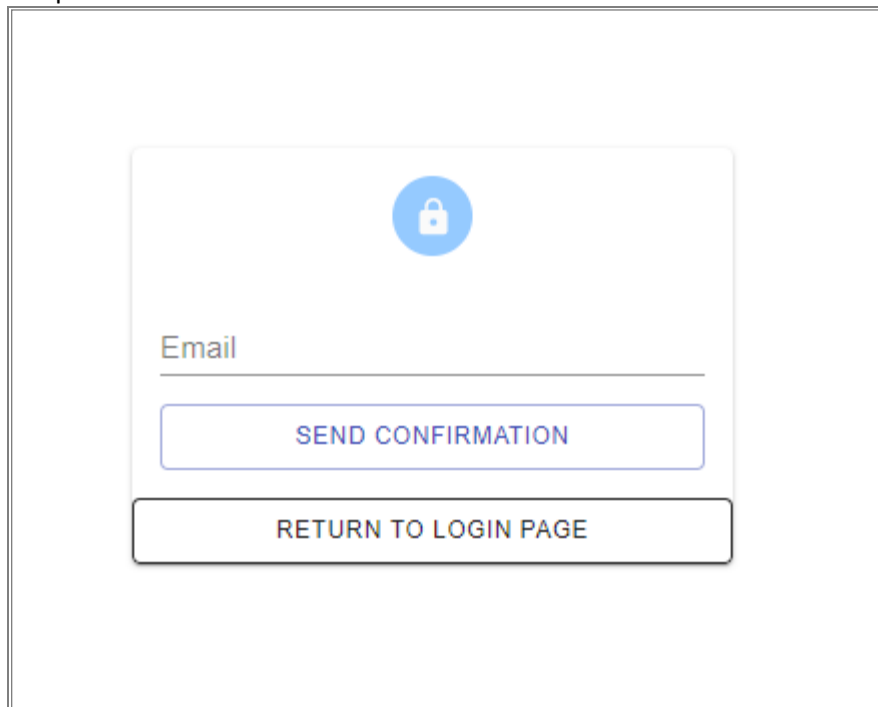
Thanks, Radiam Admin

-
- Click the “Reset Password” link to set up your account enter your username have received in the welcome email and enter new password



A login form with a blue padlock icon at the top. Below the icon are two input fields: "Username" and "Password", both labeled "Required" in red text. A "SIGN IN" button is positioned below the password field. At the bottom of the form, a yellow button labeled "Reset Password?" is visible.

-
- Enter your email and click the “SEND CONFIRMATION” button, you will receive an email to reset password

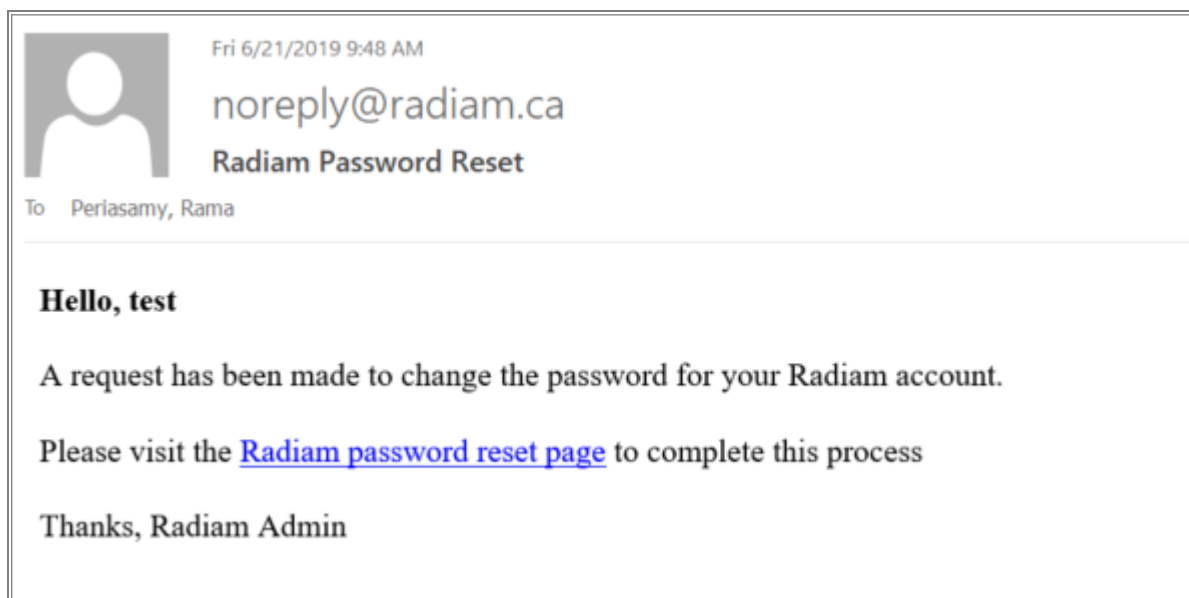
A screenshot of a web form for password reset. At the top center is a blue circular icon with a white padlock. Below it is a text input field labeled "Email". Under the input field are two buttons: a blue button with the text "SEND CONFIRMATION" and a white button with a black border and the text "RETURN TO LOGIN PAGE".

Email

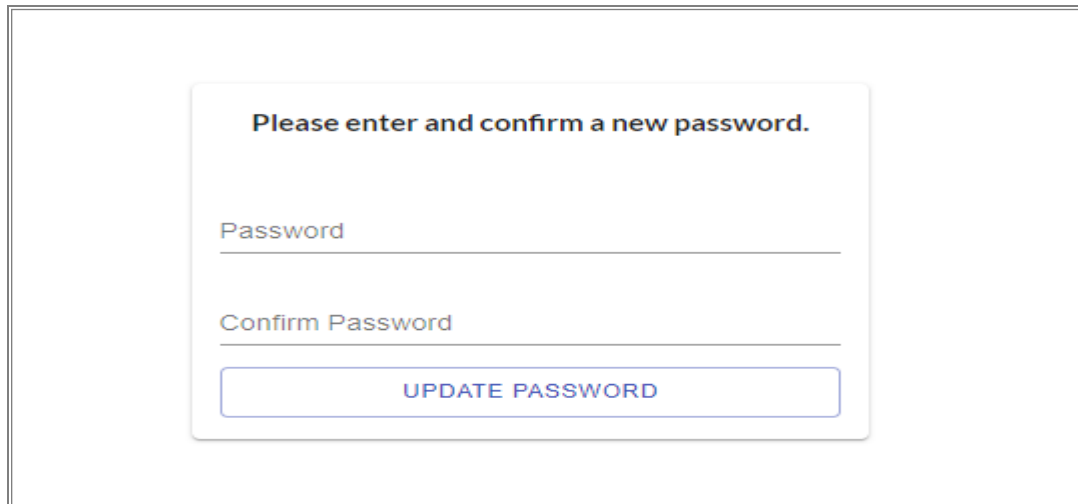
SEND CONFIRMATION

RETURN TO LOGIN PAGE

- To set up a password, click the link [Radiam password reset page](#) on your password reset email

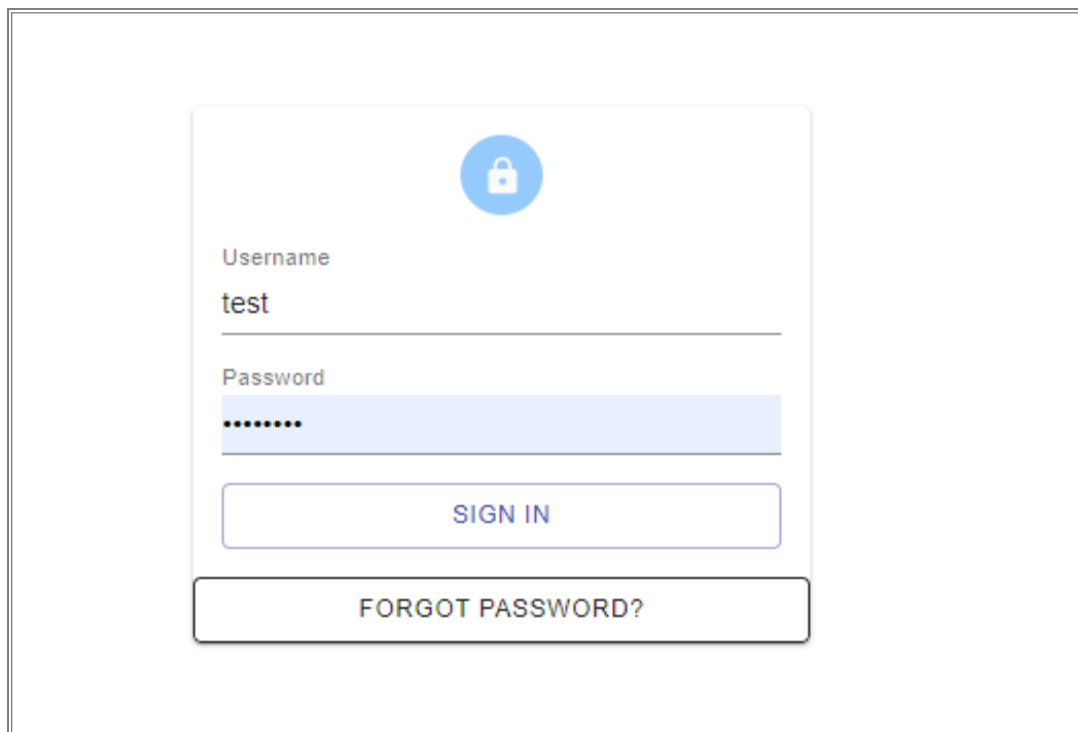


-
- Set up your account by creating new password; enter new password, confirm password click “UPDATE PASSWORD” BUTTON



A screenshot of a web form titled "Please enter and confirm a new password." The form contains two input fields: "Password" and "Confirm Password". Below these fields is a button labeled "UPDATE PASSWORD".

- Log in with your username and password at <https://beta.radium.ca>



A screenshot of a web form for logging in. At the top is a blue circular icon with a white padlock. Below it are two input fields: "Username" with the text "test" and "Password" with masked characters ".....". Below these fields is a button labeled "SIGN IN". At the bottom of the form is a button labeled "FORGOT PASSWORD?".

2.2 Agent installation and configuration

2.2.1 Downloading Agent setup file

- Go to the Radium web interface site at <https://beta.radium.ca>
- To install the agent, click your desired operating system on the “Install agent” window
- To download beta version 0.1.1, click on the [release](#) tab

usask-rc / **radiam-agent-releases**
Watch 4
Star 0
Fork 0

Code
Issues 0
Pull requests 0
Security
Insights

Join GitHub today
GitHub is home to over 36 million developers working together to host and review code, manage projects, and build software together.
[Sign up](#)

Releases of the Radiam agent <https://www.radium.ca>

7 commits
1 branch
5 releases
1 contributor
MIT

Branch: master
New pull request
Find File
Clone or download

Todd Trann Update copyright holders
Latest commit 4c6b9d8 on May 14

LICENSE
Update copyright holders
2 months ago

README.md
Nothing to see here, move along.
2 months ago

README.md

- Chose the file to match your system's operating system to download

Latest release
0.1.1
axfelix released this on Aug 13

This fixes a bug in our auto-updating which caused big scary javascript popups when clicking a desktop shortcut when our app was already running in the tray. It also adds a "debug" log level for when you want lots and lots of logs.

Assets 4

radiam-cli-linux	41.7 MB
radiamagent-0.1.1-setup.exe	76.1 MB
Source code (zip)	
Source code (tar.gz)	

- For Linux operating system click radiam-cli-linux

Latest release

0.1.1





4c6b9d8

0.1.1 beta

axfelix released this on Aug 13

This fixes a bug in our auto-updating which caused big scary javascript popups when clicking a desktop shortcut when our app was already running in the tray. It also adds a "debug" log level for when you want lots and lots of logs.

▼ Assets 4

 radiam-cli-linux	41.7 MB
 radiamagent-0.1.1-setup.exe	76.1 MB
 Source code (zip)	
 Source code (tar.gz)	

- For Windows operating system click radiamagent-0.1.1-setup.exe

Latest release

0.1.1





4c6b9d8

0.1.1 beta

axfelix released this on Aug 13

This fixes a bug in our auto-updating which caused big scary javascript popups when clicking a desktop shortcut when our app was already running in the tray. It also adds a "debug" log level for when you want lots and lots of logs.

▼ Assets 4

 radiam-cli-linux	41.7 MB
 radiamagent-0.1.1-setup.exe	76.1 MB
 Source code (zip)	
 Source code (tar.gz)	

- For Mac operating system click radiamagnet-0.1.0-dmg




0.1.0
4c6b9d8

0.1.0 beta

axfelix released this on Aug 2

This release fixes some minor bugs and enables local metadata parsing so Tika is no longer required. This has made the Linux release substantially larger as numpy is now included in the build and the binary is not compressed on Linux.

Assets 5

 radiam-cli-linux	41.7 MB
 radiamagent-0.1.0-setup.exe	74.7 MB
 radiamagent-0.1.0.dmg	103 MB
 Source code (zip)	
 Source code (tar.gz)	

2.2.2 Installing Agent on Linux

- To run the Radiam agent command line interface, mark it as executable with the following command

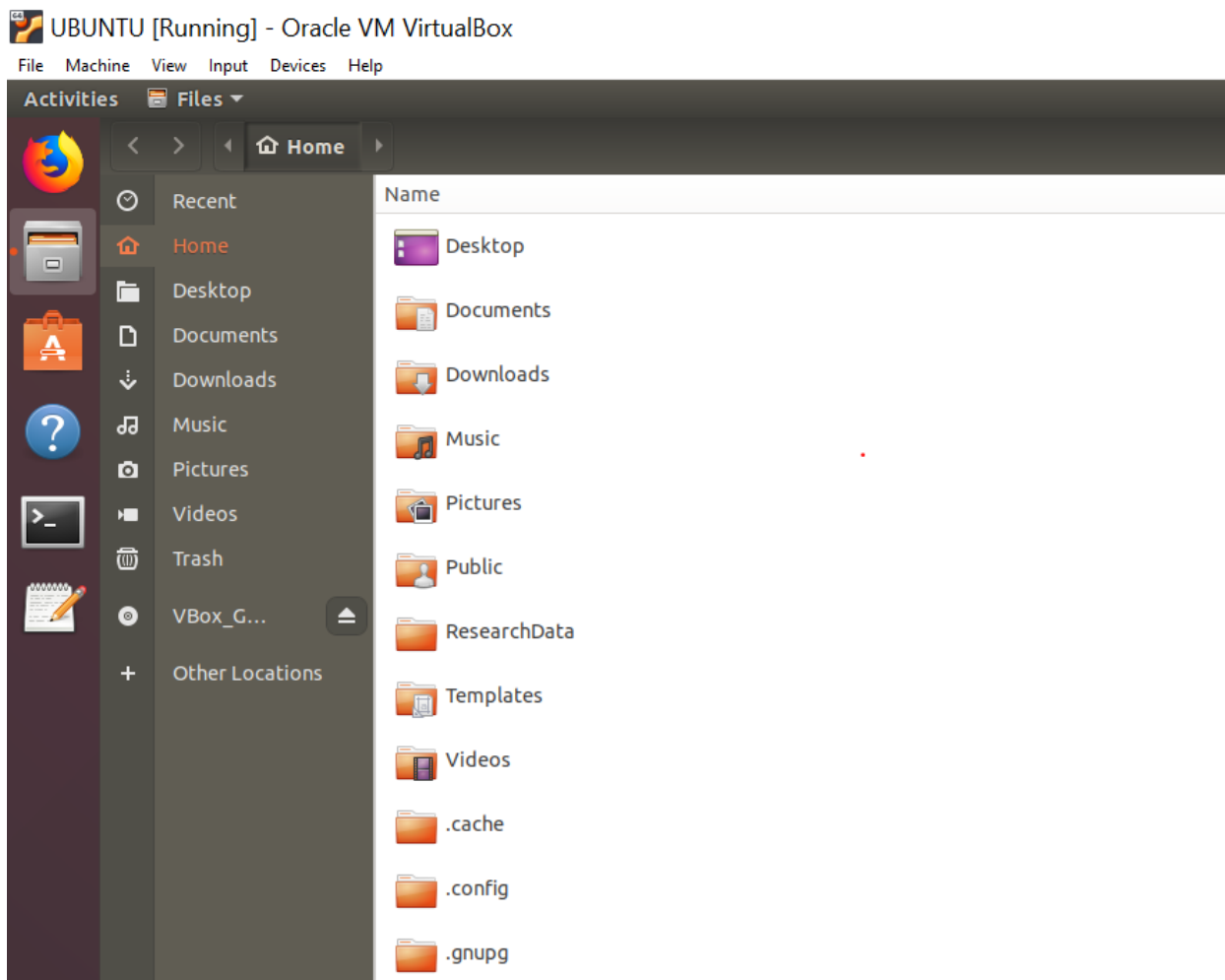
```
chmod +x radiam-cli-linux
```

```
rama@rama-VirtualBox: ~/Downloads
File Edit View Search Terminal Help
rama@rama-VirtualBox:~$ cd Downloads
rama@rama-VirtualBox:~/Downloads$ ls
radiam-cli-linux
rama@rama-VirtualBox:~/Downloads$ chmod +x radiam-cli-linux
rama@rama-VirtualBox:~/Downloads$
```

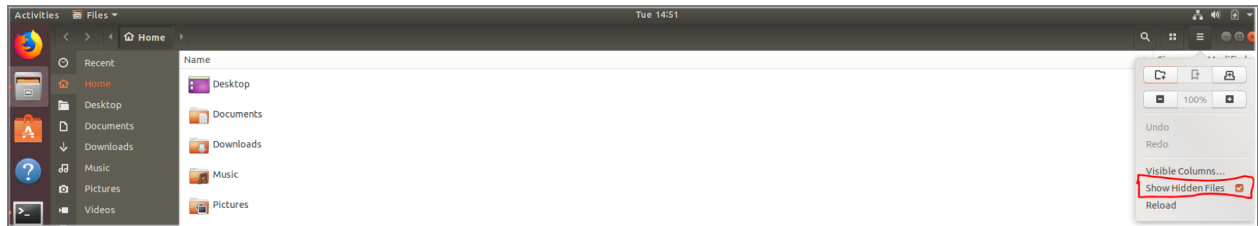
- You need to obtain a login token with your username and password when you use the app for the first time, by supplying the --username and --password command line arguments:

```
rama@rama-VirtualBox: ~/Downloads
File Edit View Search Terminal Help
rama@rama-VirtualBox:~$ cd Downloads
rama@rama-VirtualBox:~/Downloads$ ls
radiam-cli-linux
rama@rama-VirtualBox:~/Downloads$ ./radiam-cli-linux --username=test --password=
betatest4
Logged in as test
```

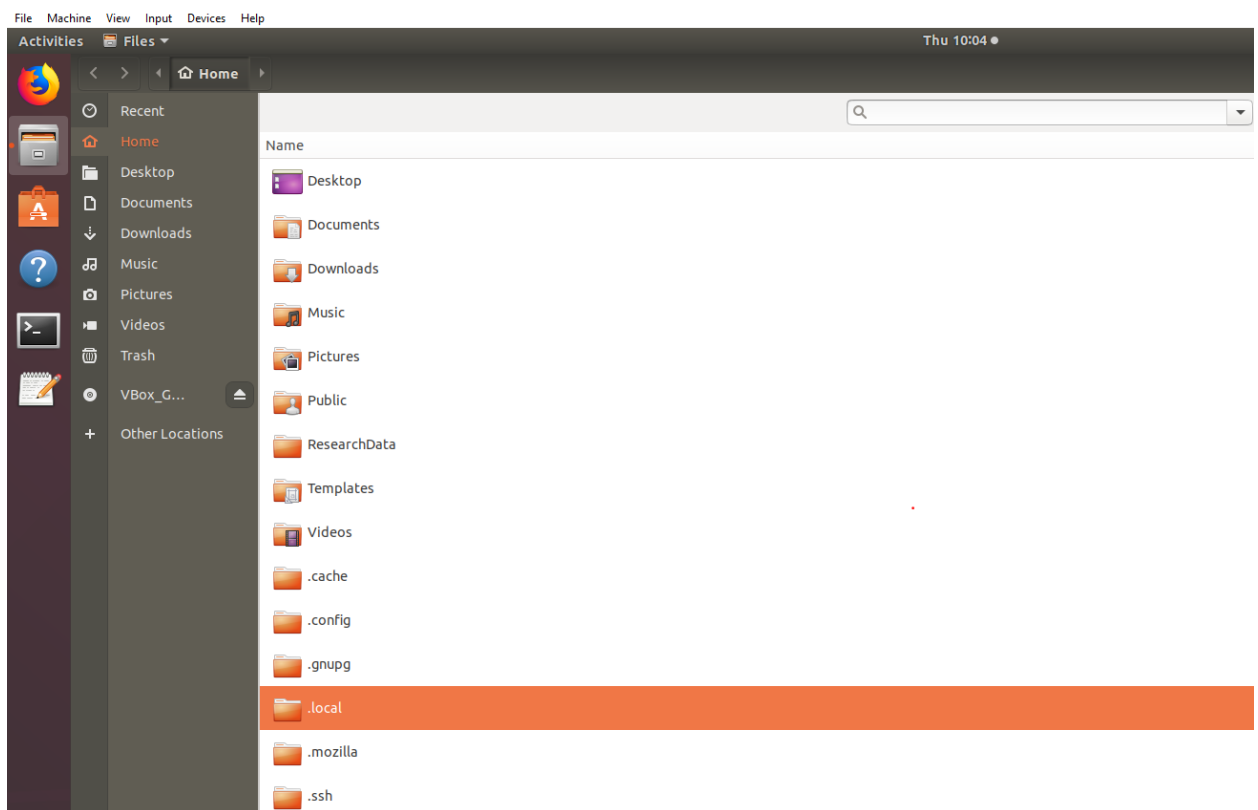
- To configure the agent: Open “Files” from the dashboard menu



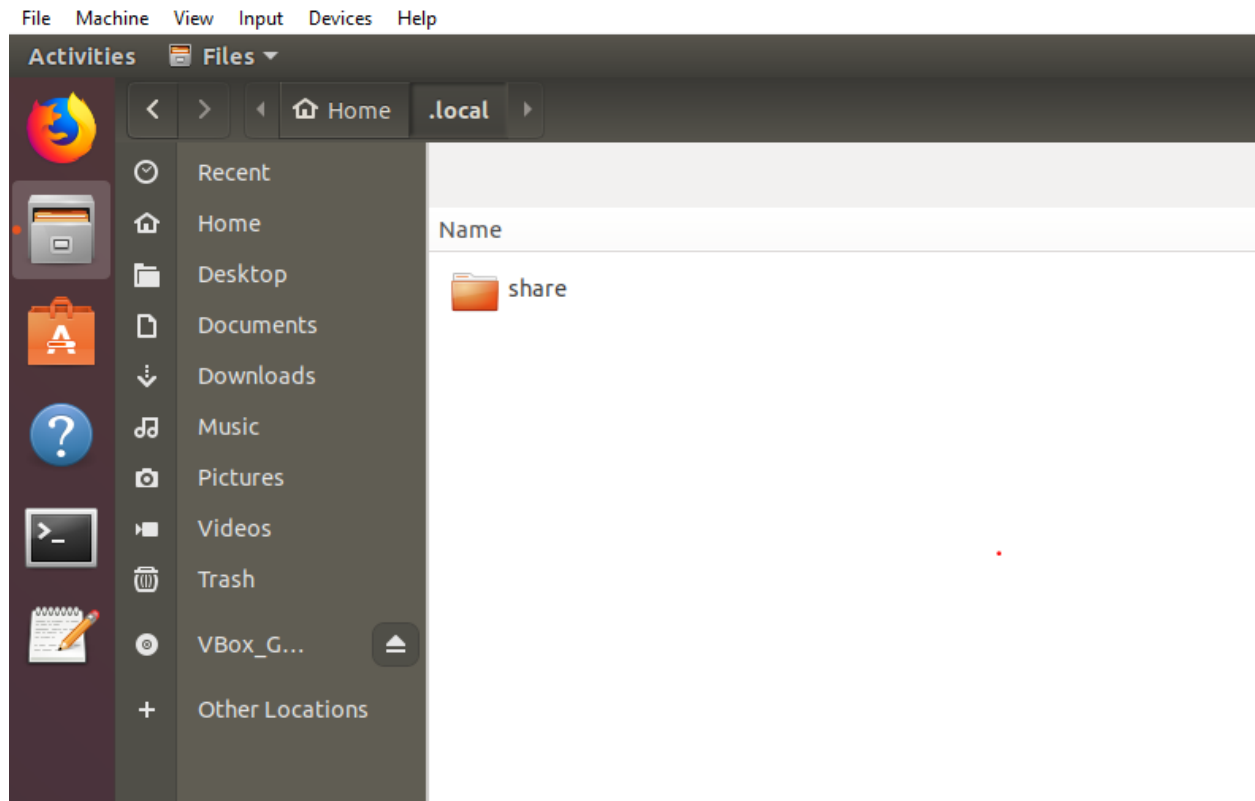
- On the top right corner, click the drop down menu and click “Show Hidden Files”



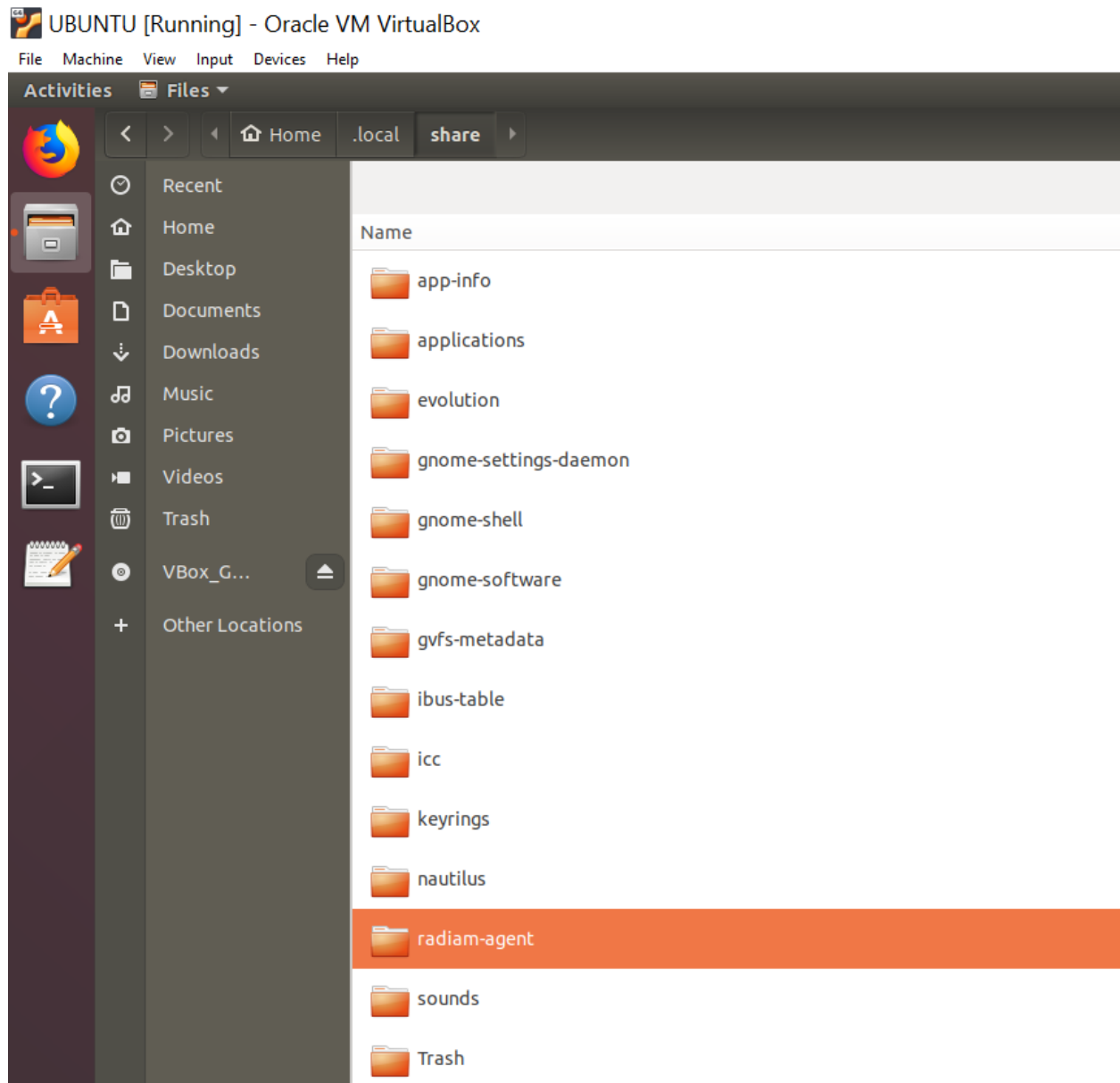
- Click “.local” folder



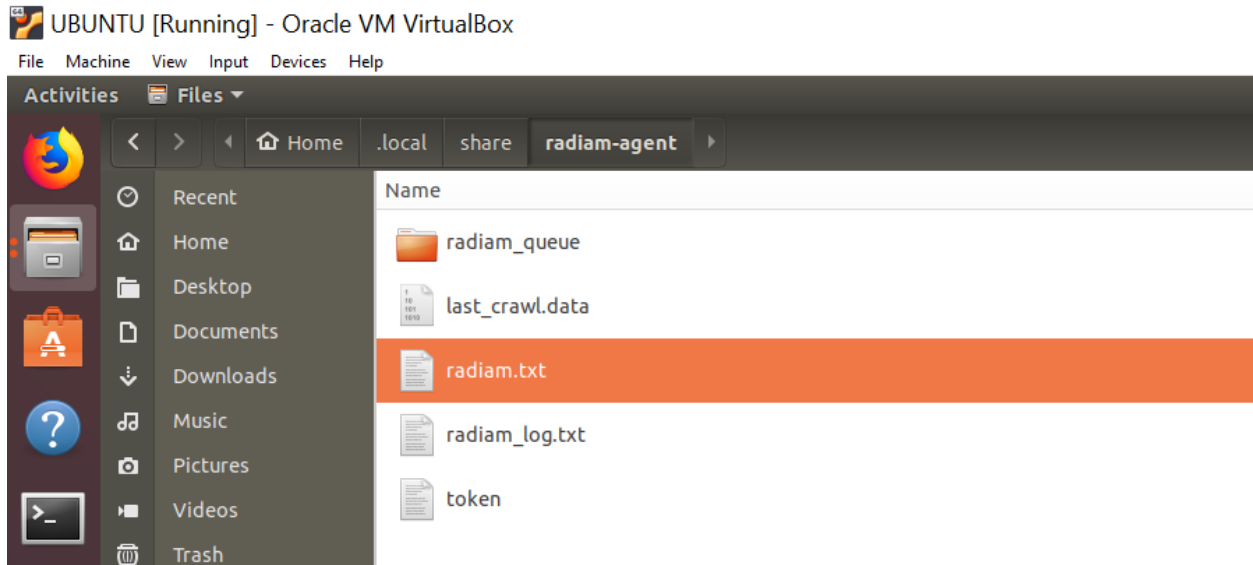
- Click the “share” folder



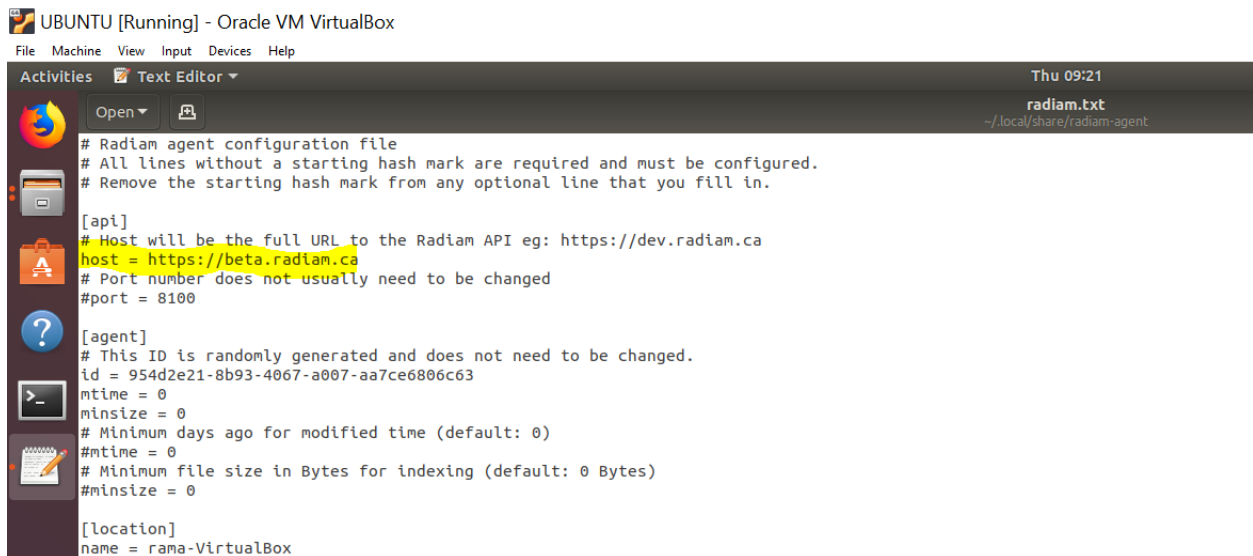
- Click “radiam-agent” folder



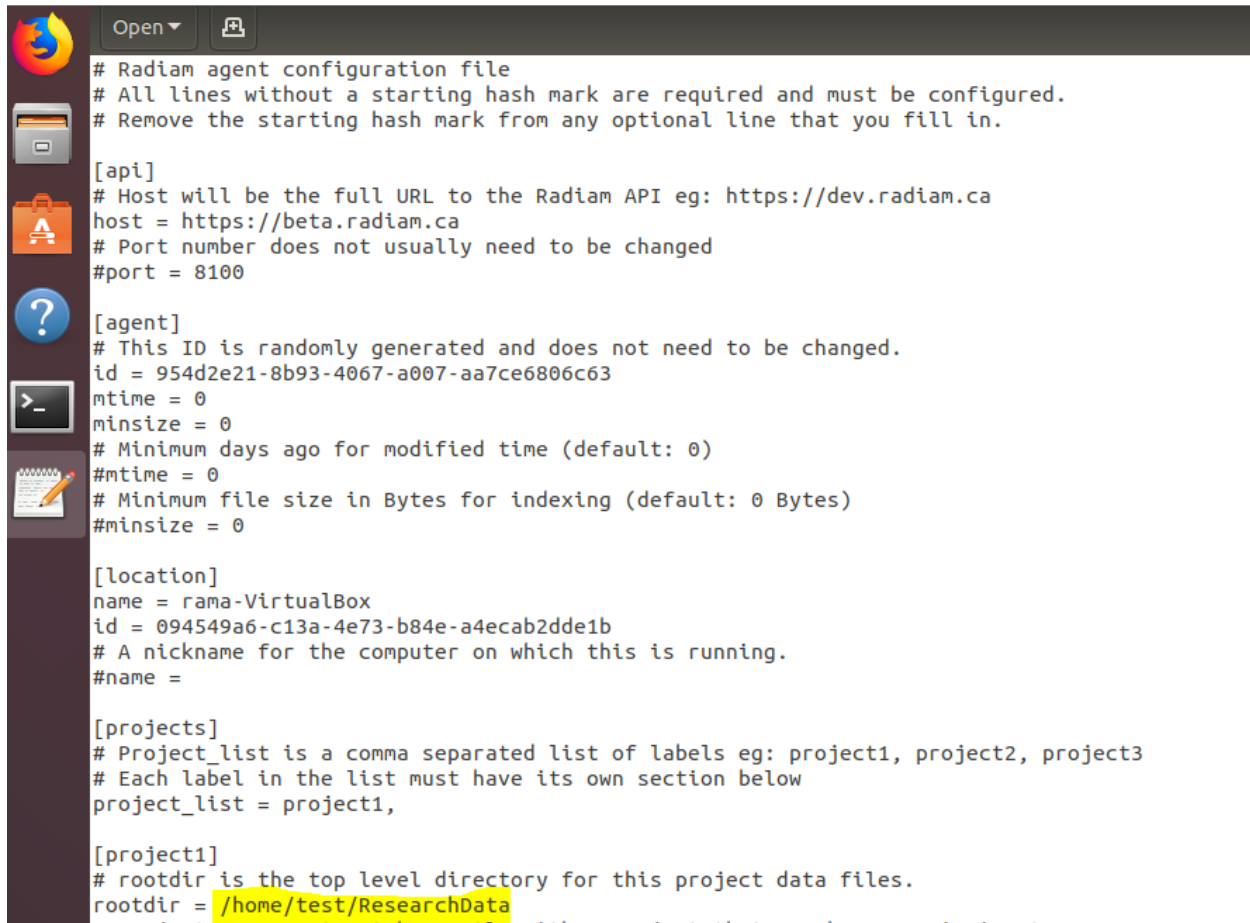
- Open “radiam.txt” file to edit



- Under [api] section, for "host" enter <https://beta.radiam.ca>



- Under [project1] section, for “rootdir” enter the <local project folder path>



```
# Radiam agent configuration file
# All lines without a starting hash mark are required and must be configured.
# Remove the starting hash mark from any optional line that you fill in.

[api]
# Host will be the full URL to the Radiam API eg: https://dev.radiam.ca
host = https://beta.radiam.ca
# Port number does not usually need to be changed
#port = 8100

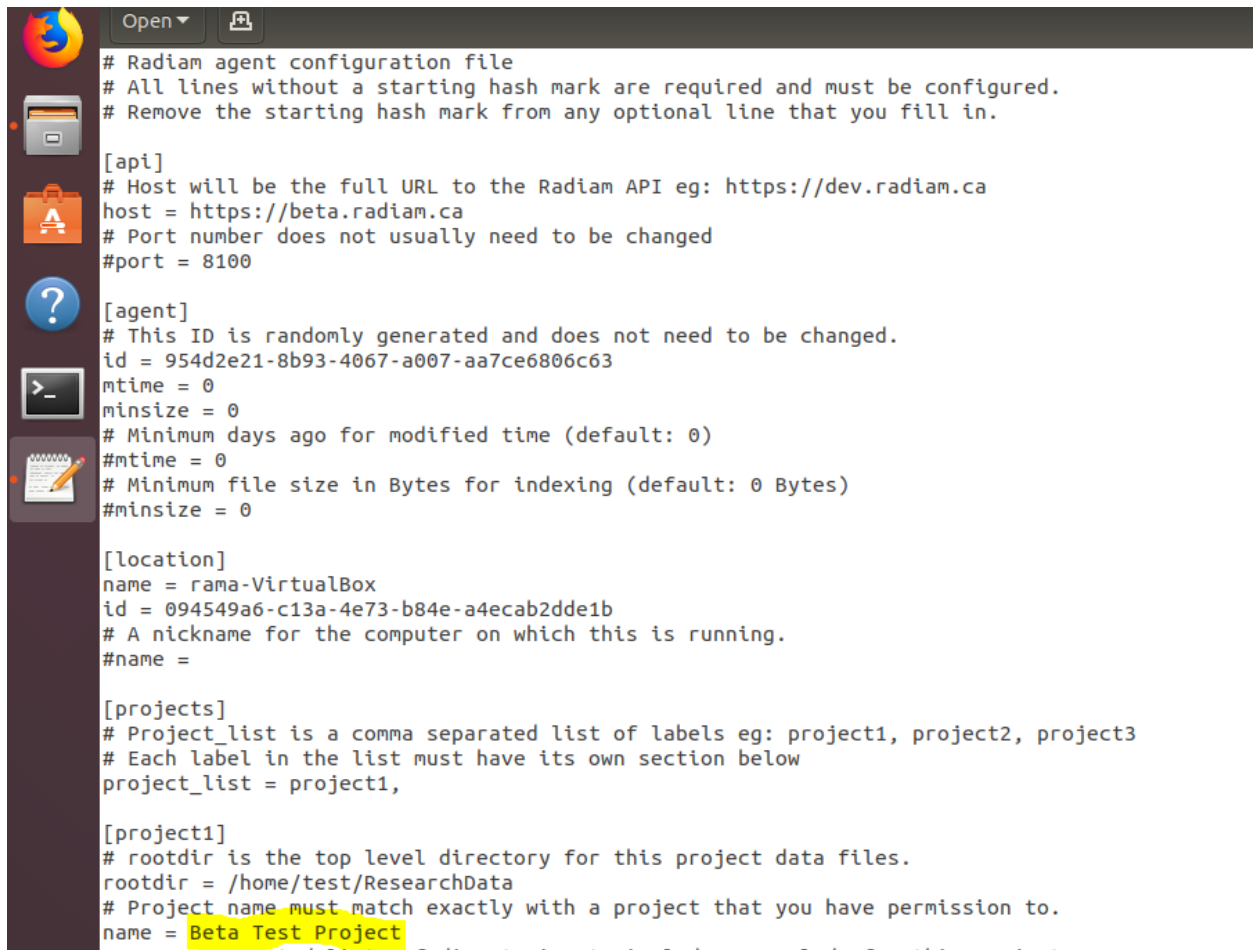
[agent]
# This ID is randomly generated and does not need to be changed.
id = 954d2e21-8b93-4067-a007-aa7ce6806c63
mtime = 0
minsize = 0
# Minimum days ago for modified time (default: 0)
#mtime = 0
# Minimum file size in Bytes for indexing (default: 0 Bytes)
#minsize = 0

[location]
name = rama-VirtualBox
id = 094549a6-c13a-4e73-b84e-a4ecab2dde1b
# A nickname for the computer on which this is running.
#name =

[projects]
# Project_list is a comma separated list of labels eg: project1, project2, project3
# Each label in the list must have its own section below
project_list = project1,

[project1]
# rootdir is the top level directory for this project data files.
rootdir = /home/test/ResearchData
```


- Under [project1] section, for “name” enter <your project> name

A screenshot of a code editor window with a dark theme. The editor shows a configuration file for the Radiam agent. The file contains several sections: [api], [agent], [location], [projects], and [project1]. The [project1] section is highlighted with a yellow background. The configuration includes settings for the API host, port, agent ID, minimum file size, and project name. The project name is set to "Beta Test Project".

```
# Radiam agent configuration file
# All lines without a starting hash mark are required and must be configured.
# Remove the starting hash mark from any optional line that you fill in.

[api]
# Host will be the full URL to the Radiam API eg: https://dev.radium.ca
host = https://beta.radium.ca
# Port number does not usually need to be changed
#port = 8100

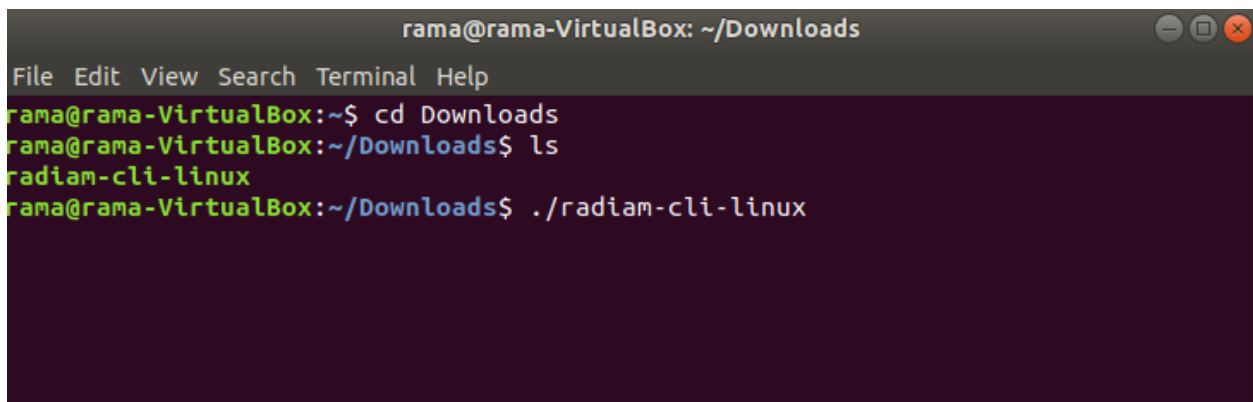
[agent]
# This ID is randomly generated and does not need to be changed.
id = 954d2e21-8b93-4067-a007-aa7ce6806c63
mtime = 0
minsize = 0
# Minimum days ago for modified time (default: 0)
#mtime = 0
# Minimum file size in Bytes for indexing (default: 0 Bytes)
#minsize = 0

[location]
name = rama-VirtualBox
id = 094549a6-c13a-4e73-b84e-a4ecab2dde1b
# A nickname for the computer on which this is running.
#name =

[projects]
# Project_list is a comma separated list of labels eg: project1, project2, project3
# Each label in the list must have its own section below
project_list = project1,

[project1]
# rootdir is the top level directory for this project data files.
rootdir = /home/test/ResearchData
# Project name must match exactly with a project that you have permission to.
name = Beta Test Project
```

- Save and close radiam.txt file
- To run the agent, type `./radiam-cli-linux` then hit enter key

A screenshot of a terminal window titled "rama@rama-VirtualBox: ~/Downloads". The terminal shows the user navigating to the Downloads directory and running the radiam agent. The commands and their outputs are as follows:

```
rama@rama-VirtualBox:~$ cd Downloads
rama@rama-VirtualBox:~/Downloads$ ls
radiam-cli-linux
rama@rama-VirtualBox:~/Downloads$ ./radiam-cli-linux
```

- Upon a successful run, you will see the Radiam info as below in the screenshot.

```
rama@rama-VirtualBox: ~/Downloads
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

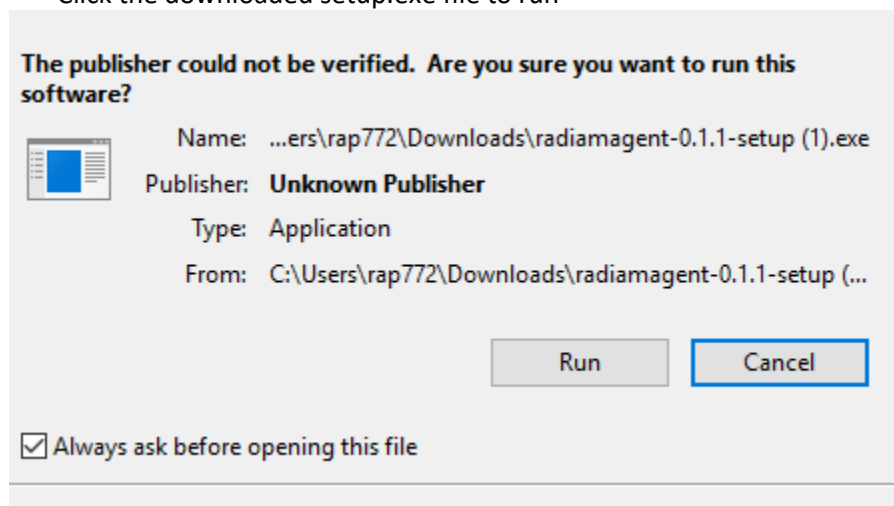
rama@rama-VirtualBox:~$ cd Downloads
rama@rama-VirtualBox:~/Downloads$ ls
radiam-cli-linux
rama@rama-VirtualBox:~/Downloads$ chmod +x radiam-cli-linux
rama@rama-VirtualBox:~/Downloads$ ./radiam-cli-linux
radiam      : INFO Loaded tokens from file
radiam      : INFO Start backend monitor
```

- Upon successful agent crawling, you can view your added files to the selected project on web interface
- To list all files under the project; click “SHOW ALL FILES” button

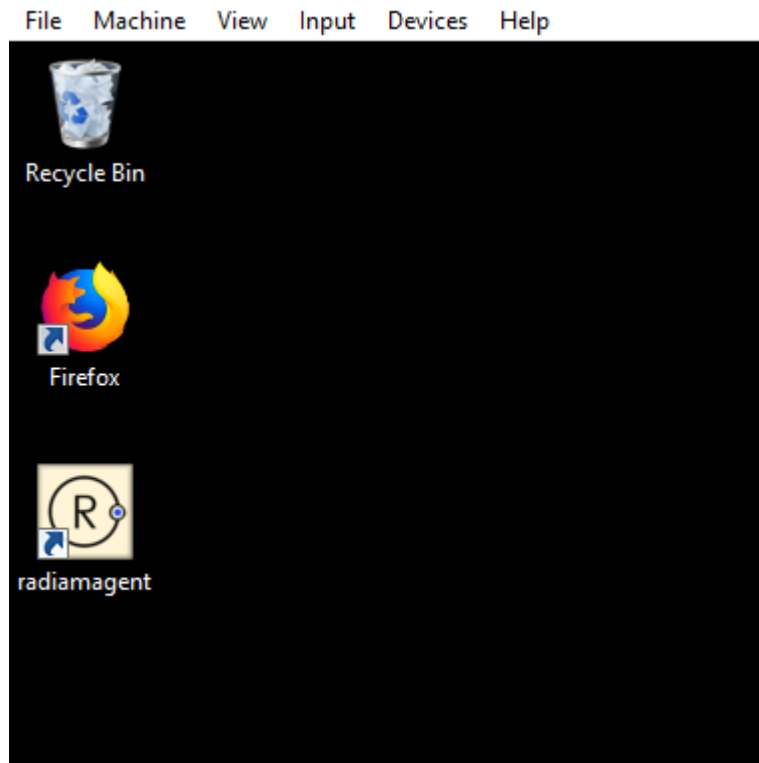


2.2.3 Installing Agent on Windows 7 and Windows 10

- Click the downloaded setup.exe file to run



-
- Double click the “radiamagent” icon on the desktop to run it



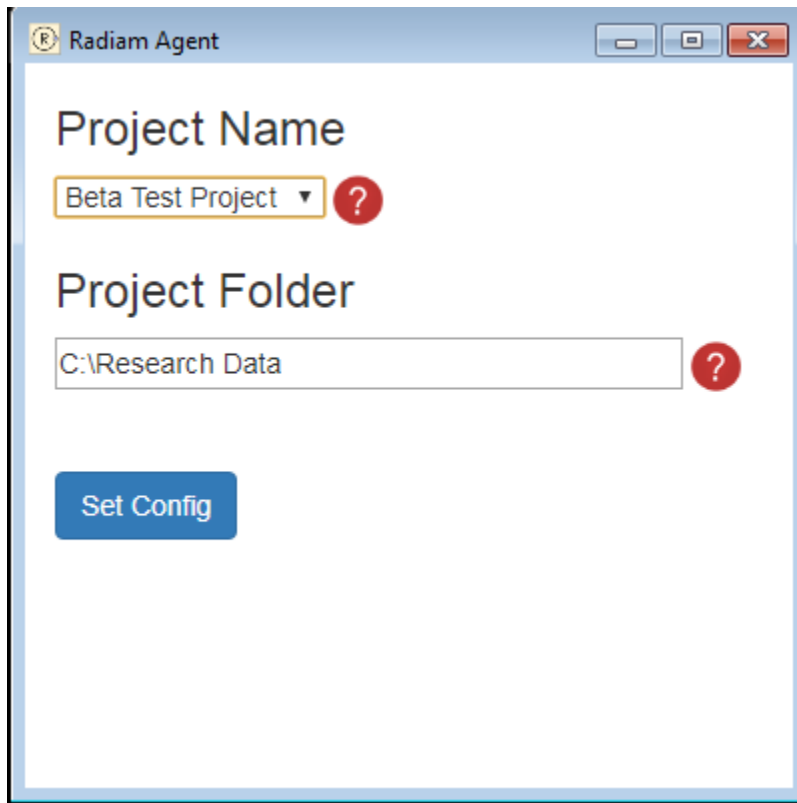
- Upon successful startup, the welcome window will pop up. Click the “Quick Config” button



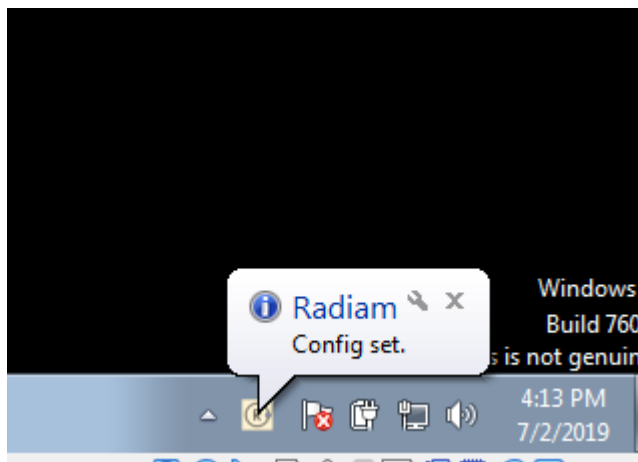
- Enter URL <https://beta.radium.ca> , your username and password, click “Radiam Login” button

A screenshot of a Windows-style window titled "Radiam Agent". The window has a blue header bar with standard minimize, maximize, and close buttons. The main content area is white and contains the following elements: a section header "Radiam URL" followed by a text input field containing "https://beta.radium.ca" and a red circular help icon with a question mark; a section header "Username" followed by a text input field containing "test"; a section header "Password" followed by a text input field with masked characters "....."; and a blue rectangular button at the bottom left with the text "Radiam Login" in white.

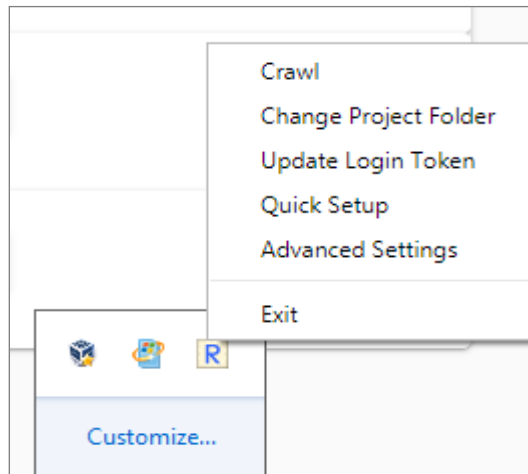
- Select your project, select the local project folder path, and click “Set Config” button



- Upon successful configuration, a notification window will pop up at the bottom right corner of the desktop panel

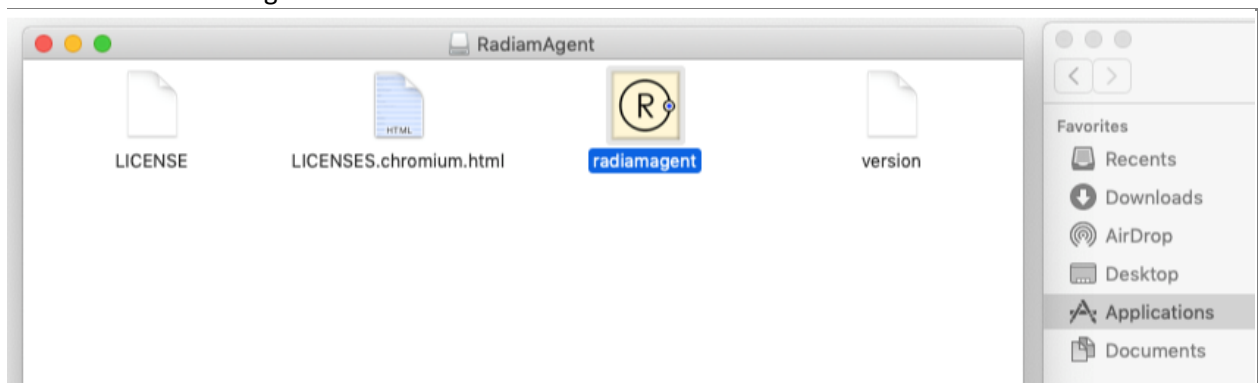


To stop or quit agent crawling, right click on the Radiam panel icon select “Exit”

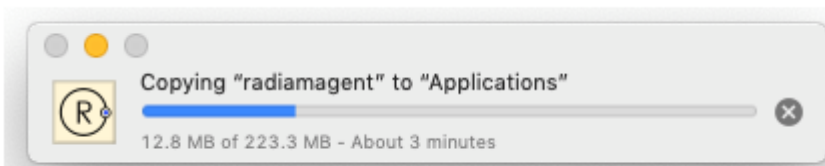


2.2.4 Installing Agent on Mac

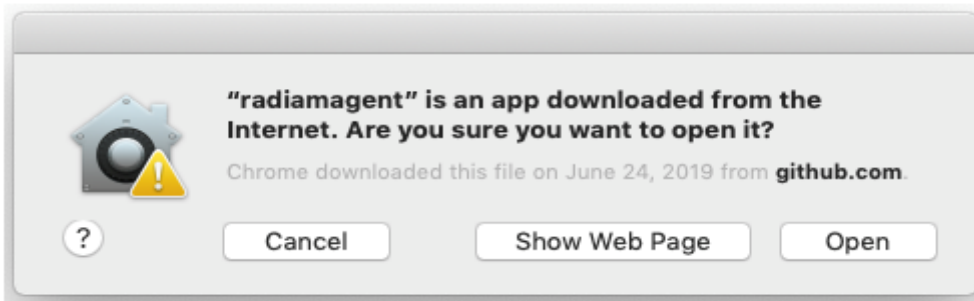
- Click on “radiamagent” icon



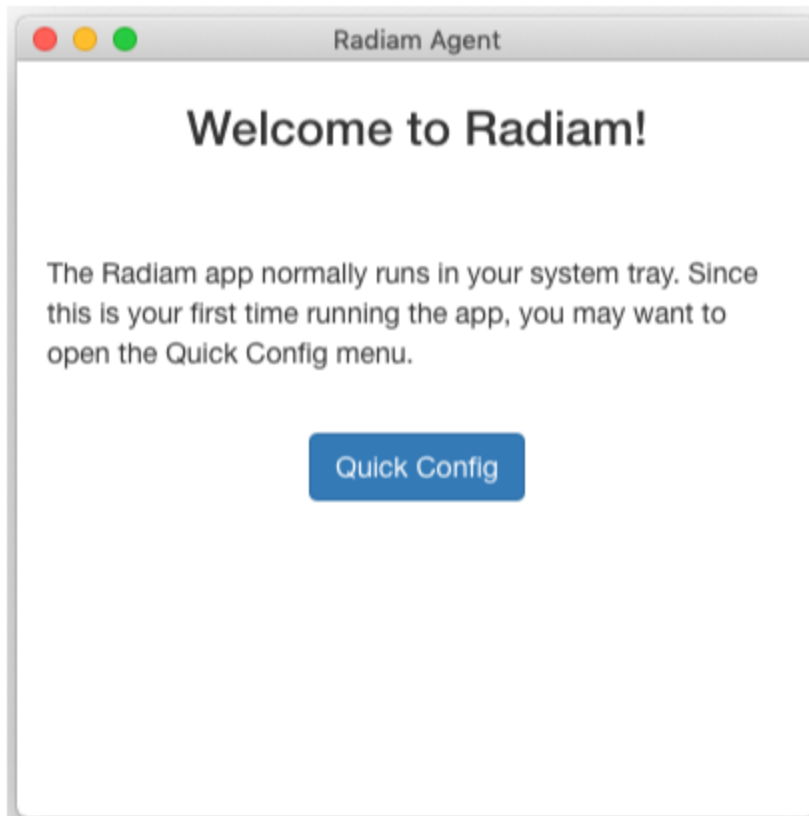
- Move downloaded file into the applications folder



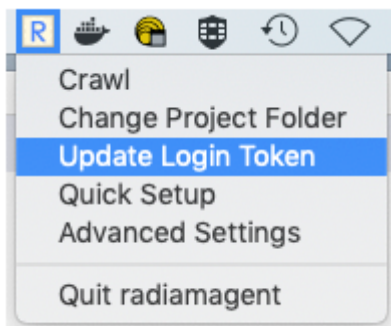
-
- Click “open” button



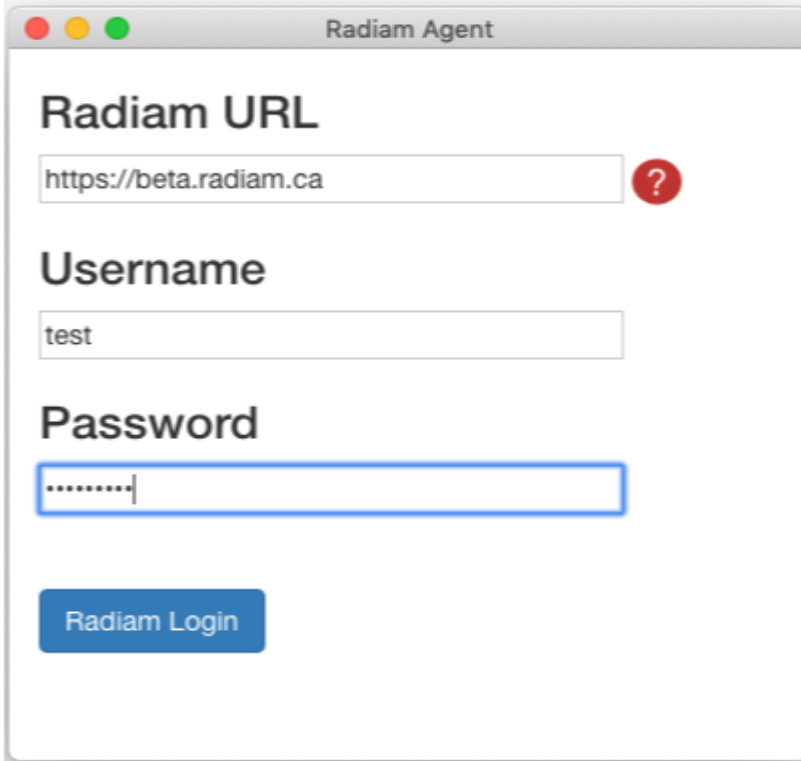
- Click “Quick Config” button on welcome window panel



- Right click on installed Radiam on the menu bar to select “Update Login Token”

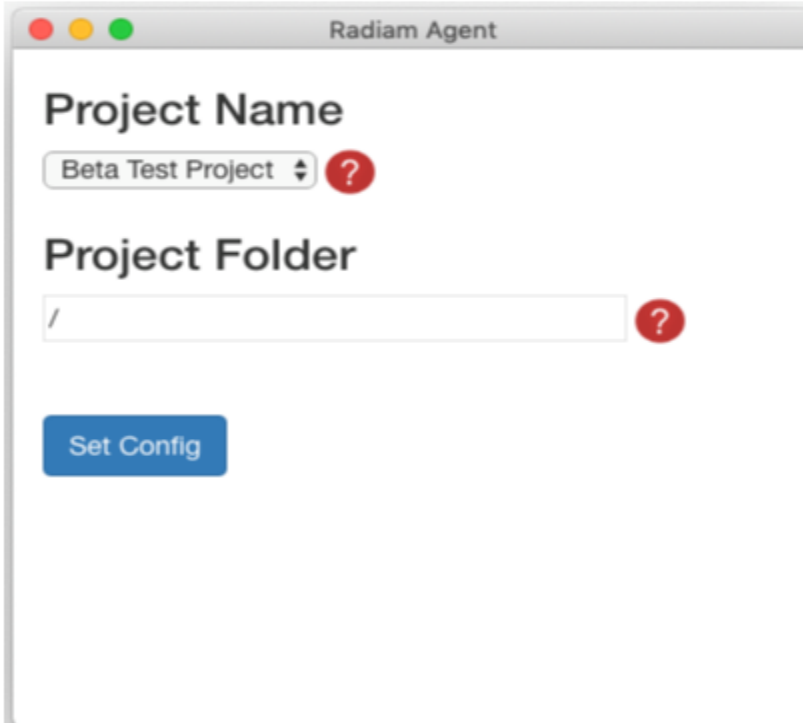


-
- Enter URL <https://beta.radium.ca> , your username and password, click “Radium Login” button



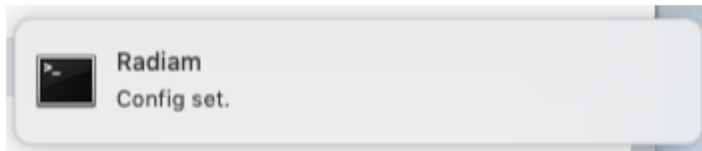
The image shows a macOS-style window titled "Radium Agent". It contains three input fields: "Radium URL" with the text "https://beta.radium.ca", "Username" with the text "test", and "Password" with masked characters ".....". A blue "Radium Login" button is at the bottom. Red question mark icons are next to the URL and password fields.

- Select your project, select the local project folder path and click “Set Config” button

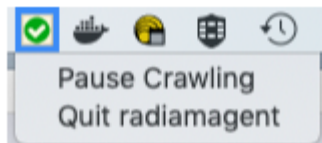


The image shows a macOS-style window titled "Radium Agent". It contains two input fields: "Project Name" with a dropdown menu showing "Beta Test Project" and "Project Folder" with the text "/". A blue "Set Config" button is at the bottom. Red question mark icons are next to the Project Name and Project Folder fields.

- Upon successful configuration, a notification window will pop up

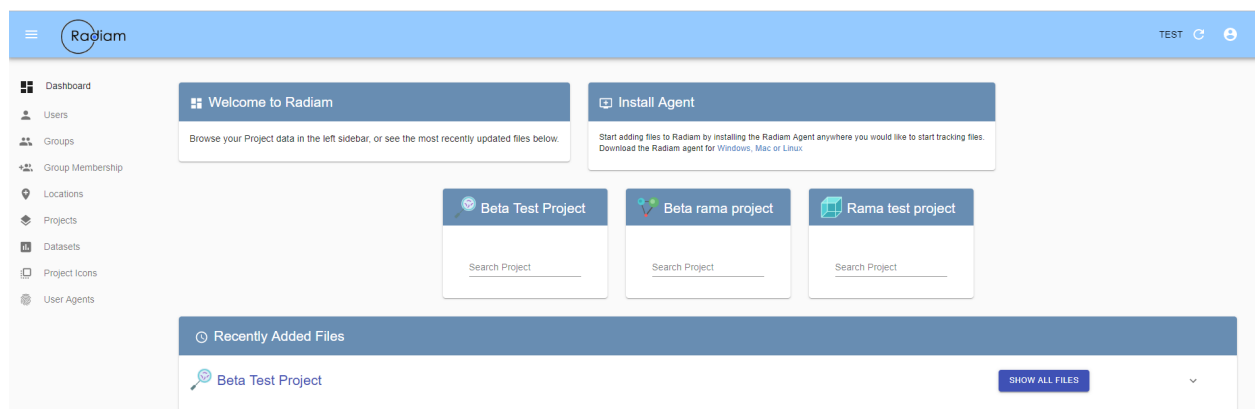


- To stop or quit agent crawling, click on the Radium panel icon select the right option

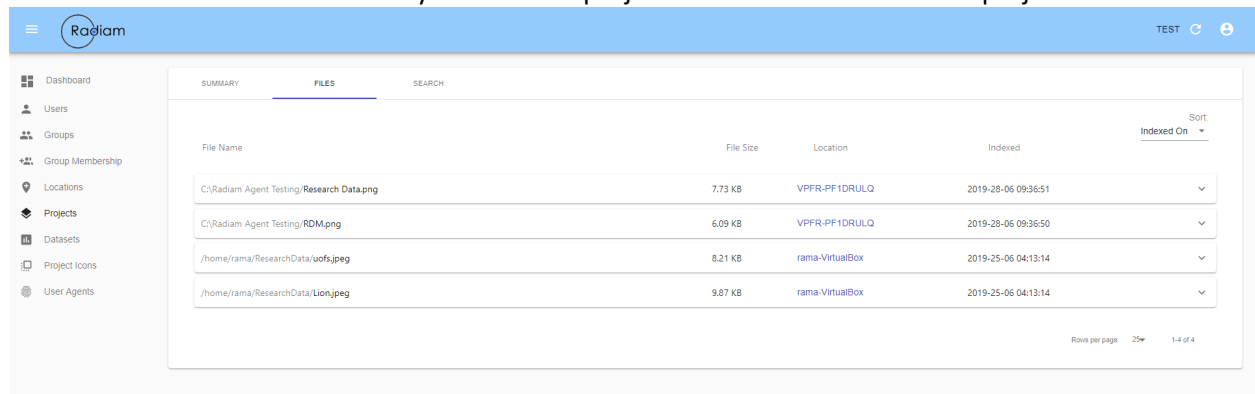


4.0 WEB INTERFACE

- Upon Radium agent's successful crawling, you are able to view the list of added projects on Dashboard display



- Click on “show all files” tab of your selected project to see the list files in that project.



- Group tab displays group name, description and parent group

Radium				TEST		
Dashboard						
Users						
Groups						
Group Membership						
Locations						
Projects						
Datasets						
Project Icons						
User Agents						

<input type="checkbox"/>	Group Name	Description	Parent Group	ADD FILTER	
<input type="checkbox"/>	Beta Test Group	Beta Testing 0.0.5	Rama Research Group		
<input type="checkbox"/>	Rama Research Group	Group for beta testing			
				1-2 of 2	

- Group membership tab with added filter view:

Radium

TEST

Dashboard

Users

Groups

Group Membership

Locations

Projects

Datasets

Project Icons

User Agents

Date updated

mm/dd/yyyy

User

test

Role

ADD FILTER

<div></div>	User	Group	Role	Last Updated <div></div>	Expires At
<div></div>	Test User (test)	Rama Research Group	Data Manager	Wednesday, July 3, 2019	
1-1 of 1					

- Locations tab with display name of the system, host name, location type and any added notes

Radium

TEST

Dashboard

Users

Groups

Group Membership

Locations

Projects

Datasets

Project Icons

User Agents

Display Name

Host Name

Location Type

Notes

VPFR-PF1DRULQ

VPFR-PF1DRULQ

Server

Rama-PC

Rama-PC

Server

Todd's iMac

pp10ddb1e284b0.usask.ca

Desktop

rama-VirtualBox

rama-VirtualBox

Server

ADD FILTER

1-4 of 4

- Projects tab displays list of projects, primary contact user, group and keywords

Radium

TEST

Dashboard

Users

Groups

Group Membership

Locations

Projects

Datasets

Project Icons

User Agents

Project Name

Primary Contact User

Group

Keywords

Beta Test Project

Test User (test)

Beta Test Group

Beta Testing

Beta rama project

Rama Research Group

betatest

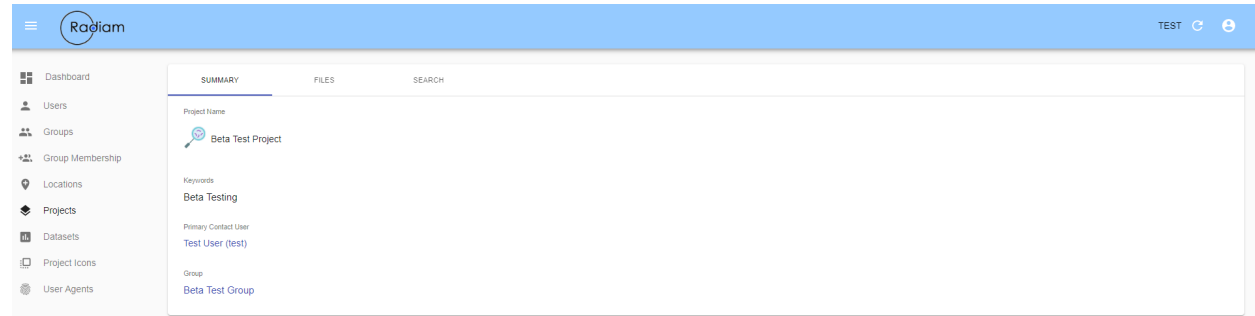
Rama test project

Rama Research Group

test

1-3 of 3

- Click on listed project of your choice to view project summary. Files and Search tabs are not yet active



5.0 COLLECTING FEEDBACK

- Group video conference will be scheduled to evaluate comments and feedbacks
- Direct email to the Radam team at todd.trann@usask.ca and rama.periasamy@usask.ca