Meet Hubot. He's not your average robot.

eRSA
Advancing Research Innovation

Working with multiple eResearch tools can be challenging. Typically they have their own syntax which requires a whole new skill set for each application you want to use. Often these tools aren't all available in one place, and might need a different logon to access. Sometimes simple commands are not so simple.

At eRSA we're always looking for ways to automate simple tasks which saves time for the important stuff - so you can work smarter, not harder.

Hubot is one of the tools we've adopted to make things easier. He's an opensource GitHub developed automation tool which acts as a broker between the user and the application, making use of API clients and other programming tools.

His innovative way of life is going to make yours a whole lot easier.

VS

The Archaic Way

✗ Resource heavy
✗ **Not secure**
✗ Time wasted on learning clunky, old systems

The Hubot Way

✓ No upskilling required
✓ **Reduce workload**
✓ Save time!
✓ **Secure**
✓ Much cuter looking

EVERYDAY MISSION 1: LAUNCHING A NECTAR INSTANCE

1 Source the openstack environment
2 Reset your Nectar password (*'coz you've probably forgotten it*)
3 Check the syntax required for the nova command (*Huh?*)
4 Enter the nova command

1 Tell Hubot what you need. You're done!

EVERYDAY MISSION 2: SUBMIT HPC JOBS

1 Logon to the remote resource
2 Remember your logon and password if it's been a while
3 Check the syntax required for the maui command (*Maui... isn't that in Hawaii?*)
4 Submit your job to the queue

1 Tell Hubot what you need. You're done!

When Hubot is deployed on a messaging client, collaboration becomes much simpler and secure.

Simply invite other researchers to your channel and they can have Hubot working for them too.

So how does Hubot work?

1 Access Hubot (he lives inside your messaging client e.g. Slack)
2 **Make your request in logical terms**
3 Hubot conveys your request to the application in the terms it's expecting
4 **Information from the application will be relayed back through Hubot**

Hi, I'm Sara

Talk to me about how Hubot can rock your research world.

ABOUT ME: I'm the Operations Team Leader at eRSA and manage a team in a dev-ops environment. We're always implementing continuous improvements on all of our systems from internal process improvement to service delivery.

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