



arm

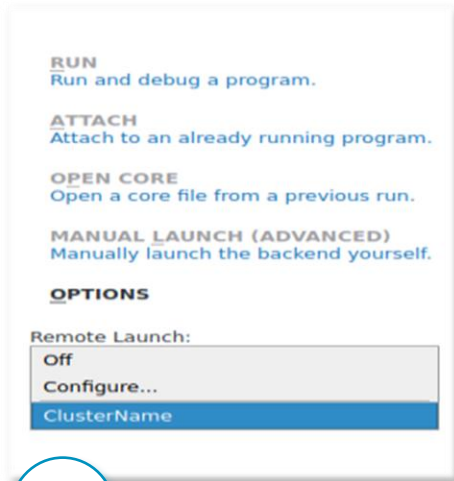
Linaro Forge

Edition#3 - Teratec Hackathon

Conrad Hillairet – Staff HPC Engineer @ Arm
Monday 20th January 2025

Forge local client set-up

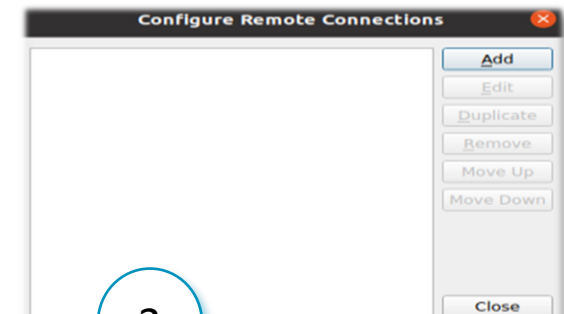
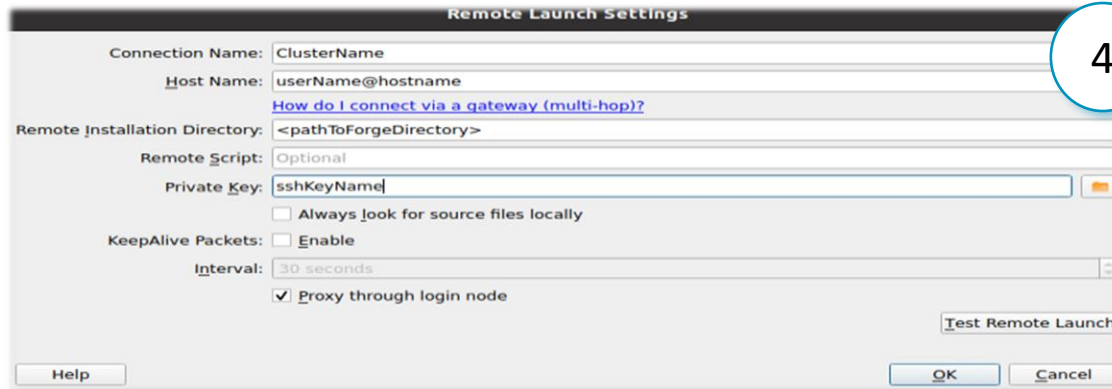
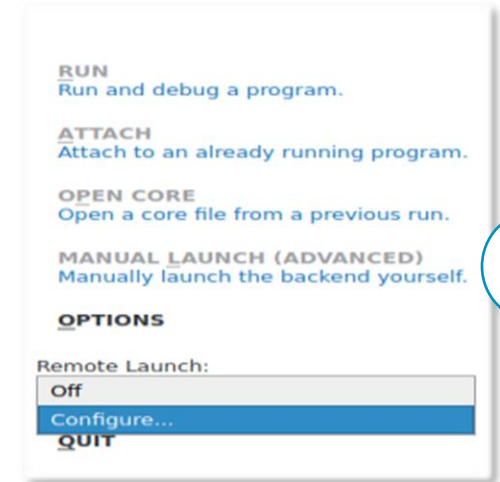
On your local server or laptop



Remote Launch test completed successfully.

Hostname: ip-172-31-77-39
OS: Amazon Linux release 2 (Karoo)
Version: 22.1.1

5



Use Linaro MAP and DDT

Get started

DDT

- HPCC SERVER
 - + Remove optimization flags
 - + Compile with debug symbols
- LAPTOP
 - + Launch local client
- HPCC SERVER
 - + `mpirun -n 4 appName appArgs`
 - + `ddt --connect mpirun -n 4 appName appArgs`
- LAPTOP
 - + A pop-up appears on the local client
 - + Accept Reverse Connect request

MAP

- HPCC SERVER
 - + Keep optimization flags
 - + Compile with debug symbols
- LAPTOP
 - + Launch local client
- HPCC SERVER
 - + `mpirun -n 4 appName appArgs`
 - + `map --profile mpirun -n 4 appName appArgs`
 - + `map --connect mapFileName.map`
- LAPTOP
 - + A pop-up appears on the local client
 - + Accept Reverse Connect request

arm

Thank You

Danke

Gracias

Grazie

谢谢

ありがとう

Asante

Merci

감사합니다

धन्यवाद

Kiitos

شكراً

ধন্যবাদ

תודה

ధన్యవాదములు



The Arm trademarks featured in this presentation are registered trademarks or trademarks of Arm Limited (or its subsidiaries) in the US and/or elsewhere. All rights reserved. All other marks featured may be trademarks of their respective owners.

www.arm.com/company/policies/trademarks