Cendio ThinLinc®

TECHNICAL USE CASE

Creating solutions with ThinLinc!

PARTNER

VALE TI

Running Blender, GNS3, Netbeans, and Android Studio on a Raspberry PI

Software Development

Server-based Computing, Linux Remote Desktop, Raspberry Pi, Netbeans, Blender, GNS3, Android Studio

PURPOSE

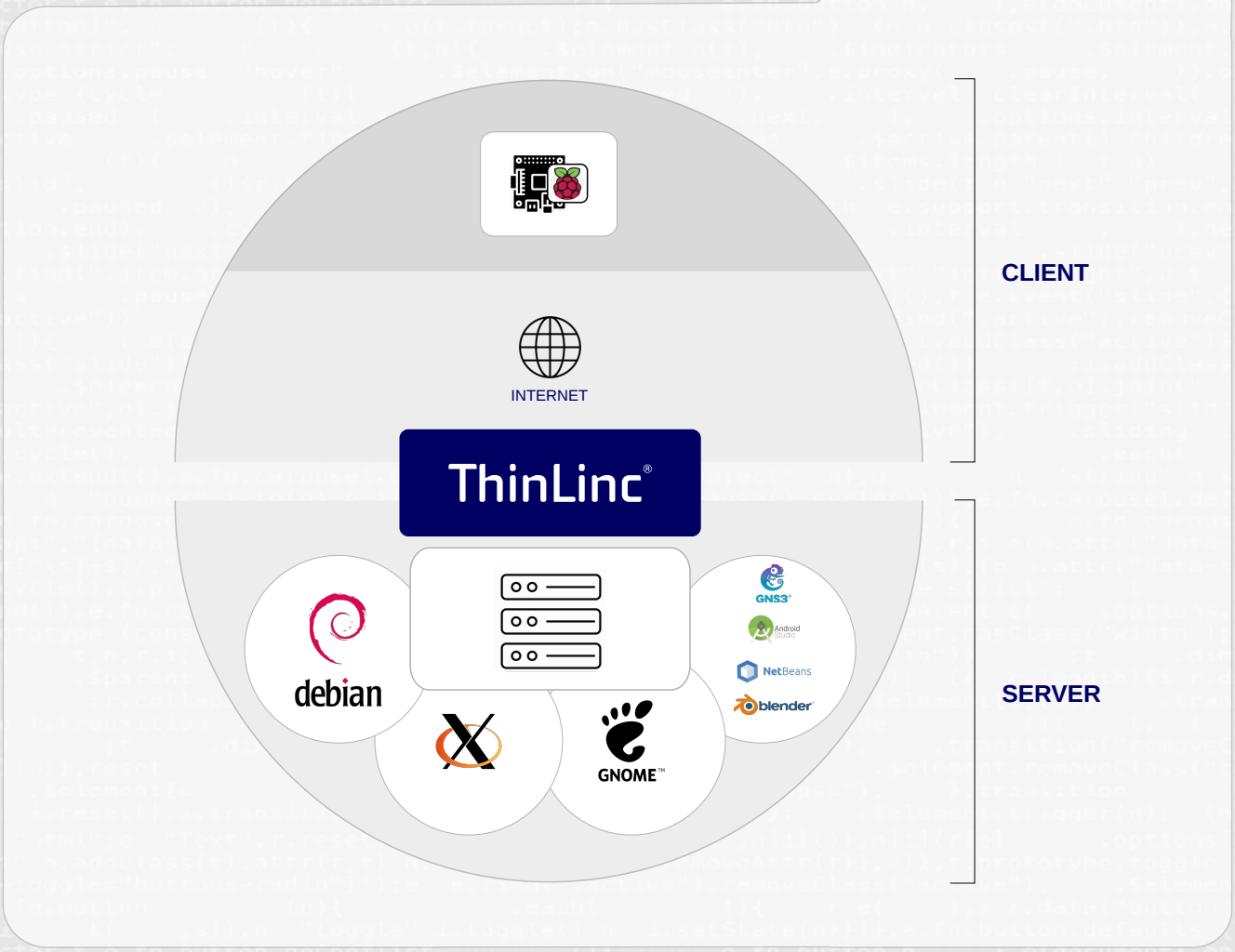
To run high demanding software development applications through a Raspberry Pi.

PRE-CONDITIONS

The applications were running locally on the laptops.

RESULTS

Chrome, Firefox, Blender, GNS3, Netbeans, and Android Studio were accessed remotely through the use of ThinLinc Linux Remote Desktop in a Raspberry Pi. The experience was similar to being local.



ADDITIONAL INFORMATION & OTHER POTENTIAL USES:

Organizations that develop software have the chance to reduce the total investment in users' hardware, centralizing in the server.

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CASE DESCRIPTION / STORY

ThinLinc Linux Remote Desktop as a potential solution for software development companies

The routine of software developers may require the use of computers with high processing and storage capacity. Some companies in the industry choose to purchase workstations as well as laptops that are robust enough to do the job locally. In these cases, the largest share of hardware investment is in the hands of users. To find a cost-effective way to perform this activity, Vinicio Zanchettin, IT specialist at Vale TI, developed a server-based computing solution using ThinLinc to provide Linux Remote Desktop applications to potential users.

The developer used a Raspberry Pi 3 B+ running the ThinLinc client. The device was connected to the wifi network and also to a projector for display at the university. The server used was a Core I3 with 6Gb Ram and 250Gb SSD running Debian 9 and Gnome Desktop located on an outside network, in the company's office. During the demo presentation, Chrome, Firefox, Blender, GNS3, Netbeans, and Android Studio apps were accessed through Raspberry Pi using ThinLinc. Vinicio points out that the results were satisfactory, similar to a local experience. "Companies can replace the use of high-investment workstations with cheaper devices, such as Raspberry Pi. The intention was precisely to demonstrate this possibility."

Vale TI is a ThinLinc reseller and has as a mission "to bring customers information technology solutions that add value to the business, allowing for streamlined processes, reducing costs, allowing information security, access to resources and high availability". The company location is Lajeado, southern Brazil.

ThinLinc is the Linux Remote Desktop solution developed by the Swedish company Cendio, which has been developed continuously since 2000. Cendio was founded in 1992 by students from Linköping University in Sweden and is one of the oldest Linux-centric companies in the world

Vinicio presented the solution on FOSS day, which took place on 4th May 2019 at Univates University located in Lajeado, Brazil. (https://www.youtube.com/watch?v=dU0sAeDbcHY)

DEVELOPER/ PARTNER
Vinicio Zanchettin

VALE TI

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