Comparison between Sensor Related projects

Hyrax [[1](#Mah09)]

Hyrax is basically Hadoop ported to run on Android platform. The tasks are run on Mobile devices using Map Reduce and Hadoop is the Map Reduce implementation used.

Cloudlet [[2](#Mar09)]

Cloudlet tries to solve the problem of resource constrains in the mobile devices by running applications of mobile devices in a nearby cloud environment. This cloud environment is called a Cloudlet. The paper assumes that cloudlets are available to mobile devices in close proximity within the same LAN. Cloudlets are made available within the same LAN to reduce the Latency. When a mobile device wants to run a heavy application it sends a VM Overly to the Cloudlet and cloudlet will run this VM overlay in its environment and will send back the results to the Mobile device. So the application that runs in the mobile device is just a proxy and the real application runs on the cloudlet, which is a more resource rich environment.

AlfredO

There are no references in the Internet about this.

Comparison

Both Cloudlet and Hyrax are trying to address different problems than what we are trying to achieve in the Sensor Cloud. Hyrax is about distributed processing using mobile devices. Cloudlet is about running mobile applications in a resource rich environment.

# Bibliography

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| [2] | Paramvir Bahl, Ramon Caceres, Nigel Davies Mahadev Satyanarayanan. (2009, November) The Case for VM-based Cloudlets in Mobile Computing. [Online]. <http://research.microsoft.com/pubs/102364/cloudlets09.pdf> |

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