

# Human's Cloud

## A community cloud served by a P2P overlay network on top of the web platform

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**Abstract.** Grid computing has been around from the 90's No one true way of easy sharing resources Voluntary computing only used for Research, not accessible for application developers MOAR

**Keywords:** Cloud Computing, Peer-to-peer, Voluntary Computing, Cycle Sharing, Decentralized Distributed Systems, Web Platform

## 1 Introduction

### 1.1 Lorem ipsum

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## 2 Objectives

### 2.1 Lorem ipsum

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## 3 Related Work

The purpose of this section is to show the state of the art of the research topic, namely: Volunteer Computing, Cloud Computing, P2P Networks and the Web Platform

### 3.1 Cloud computing and Open Source Cloud Platforms

### 3.2 Volunteered resource sharing

### 3.X.X Hybrid and Community Clouds

### 3.X.X Cycle and Storage Sharing, using Volunteer Computing Systems

### **3.X.X Peer-to-Peer Networks Architectures** *Peer-to-Peer Taxonomy*

*Unstructured and Deterministic*

*Unstructured and Non-Deterministic*

*Structured with Distributed Hash Tables*

*Structured without Non-Distributed Hash Tables*

*Hybrid*

### **3.X.X Assurance and Trust**

## **3.3 Resource sharing using the Web as platform**

### **3.X.X What has been happening**

### **3.X.X Previous attempts**

## **4 Architecture**

### **4.1 Node Level**

### **4.2 Client API**

### **4.3 Storage**

### **4.4 Reputation Mechanism**

### **4.5 Job Scheduling**

## **5 Evaluation**

### **5.1 Lorem ipsum**

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## **6 Conclusions**

### **6.1 Lorem ipsum**

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## **References**