

# A STUDY AND IMPLEMENTATION OF JINI™ TECHNOLOGY TO STIMULATE A JINI-ENABLE DEVICE IN A JINI NETWORK ENVIRONMENT

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## ABSTRACT

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This project studies the architecture of Jini™ Technology in depth. Jini is a networking technology, which enables dynamic configuration of devices and self-healing network federation of services. A Jini-enabled device can plug into a Jini network and become immediately available to other devices on the network without manual configuration. At the time of writing, there are hardly any Jini-enabled devices on the market. Therefore, this project aims to simulate a Jini-enabled printer interacting with a Jini-enabled software service. This project also aims to compare Jini with other similar technologies such as CORBA and Universal Plug & Play. Ultimately, the project seeks improvement on the fault tolerance issue of resource sharing in existing networks.