PRESENTATION ON JINI TECHNOLOGY

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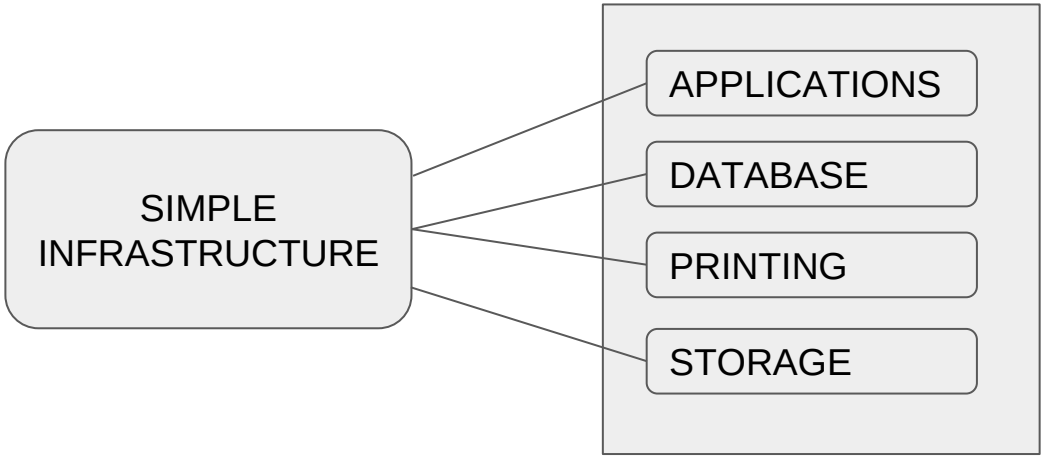
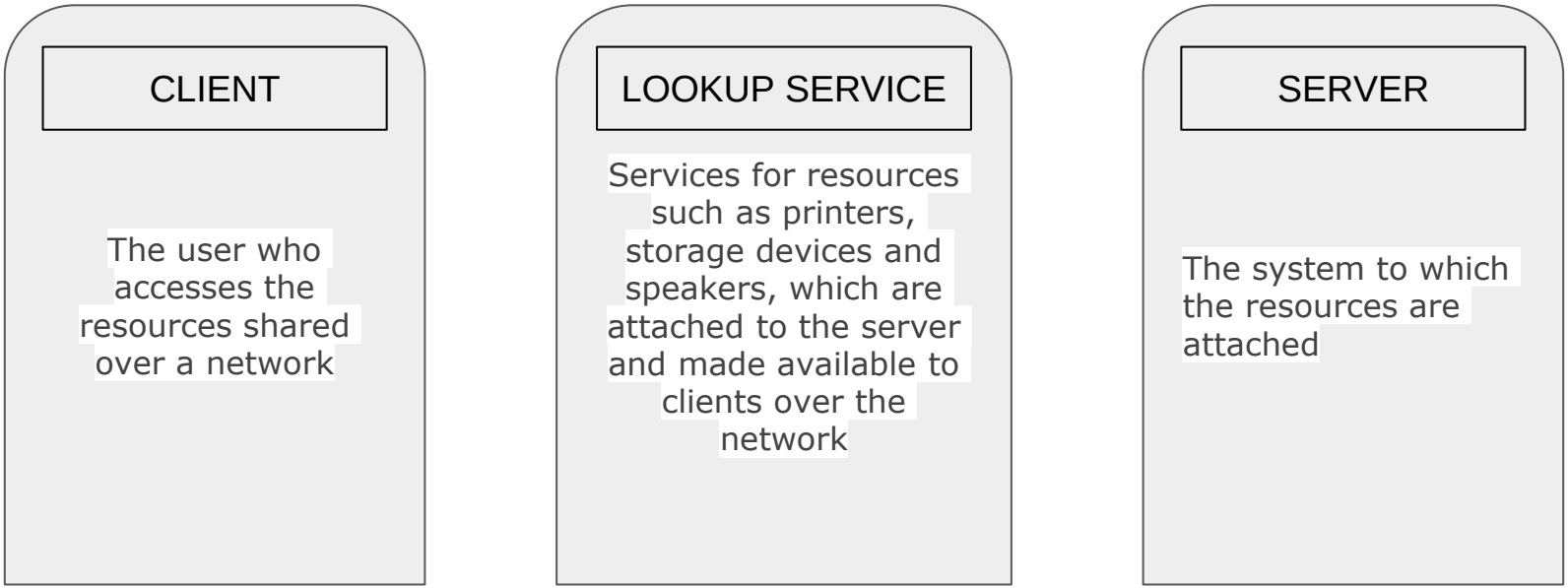
WHAT IS JINI TECHNOLOGY



HISTORY OF JINI TECHNOLOGY

- The idea of the jini system was invented by bill joy at SUN ASOEN SMALL WORKS R&D LAB IN 1994
- Jini was introduced in July 1998 by Sun Microsystems.
- Jini is implemented in the Java programming language.
- The Word “jini” means “the devil” which is the origin of the english word “genie” or in spanish as “*el diable*”.
- On January 25 , 1999 Jini was officially launched and the technology is open sourced.

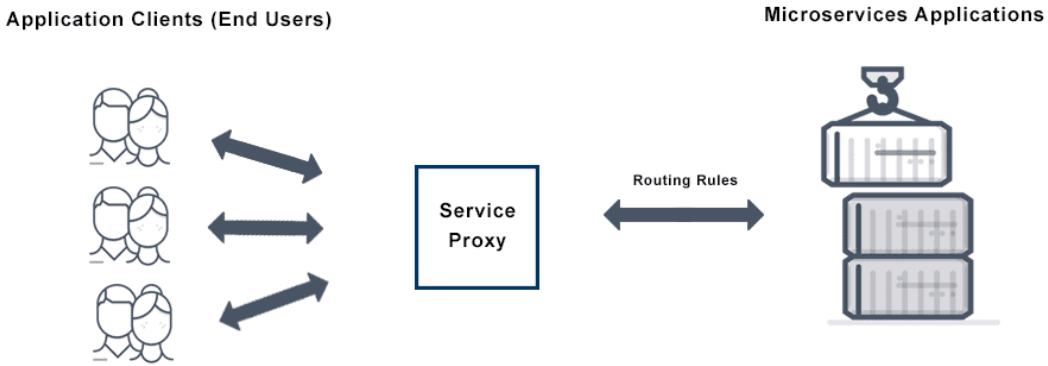
ARCHITECTURE OF JINI



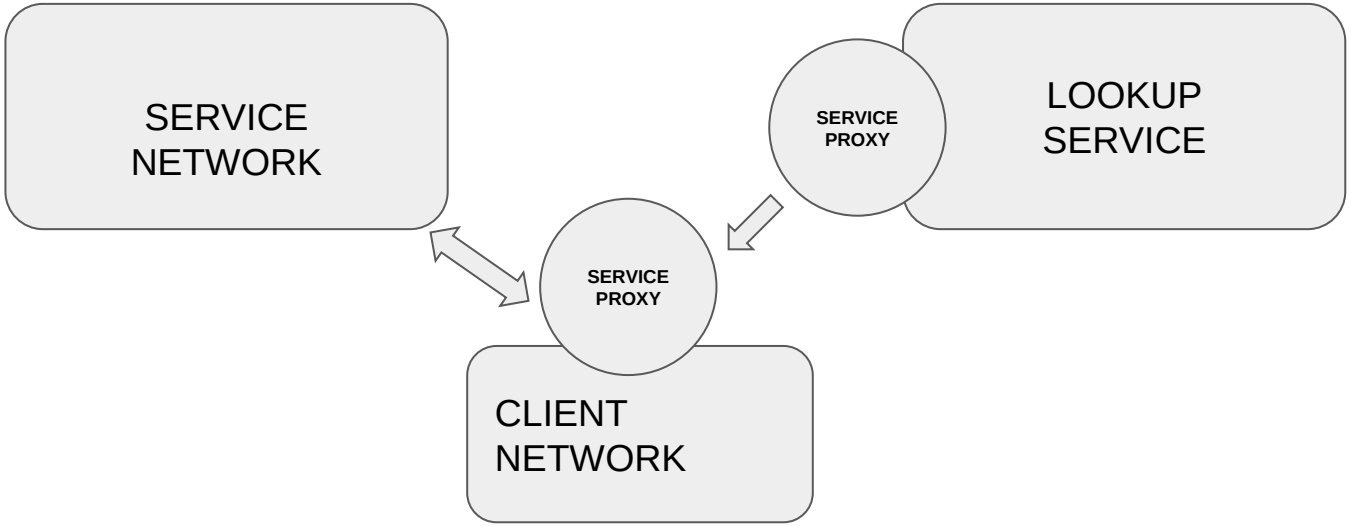
SERVICE PROXY

Service proxy is a client-side proxy for microservices applications that allows the application components to send and receive traffic.

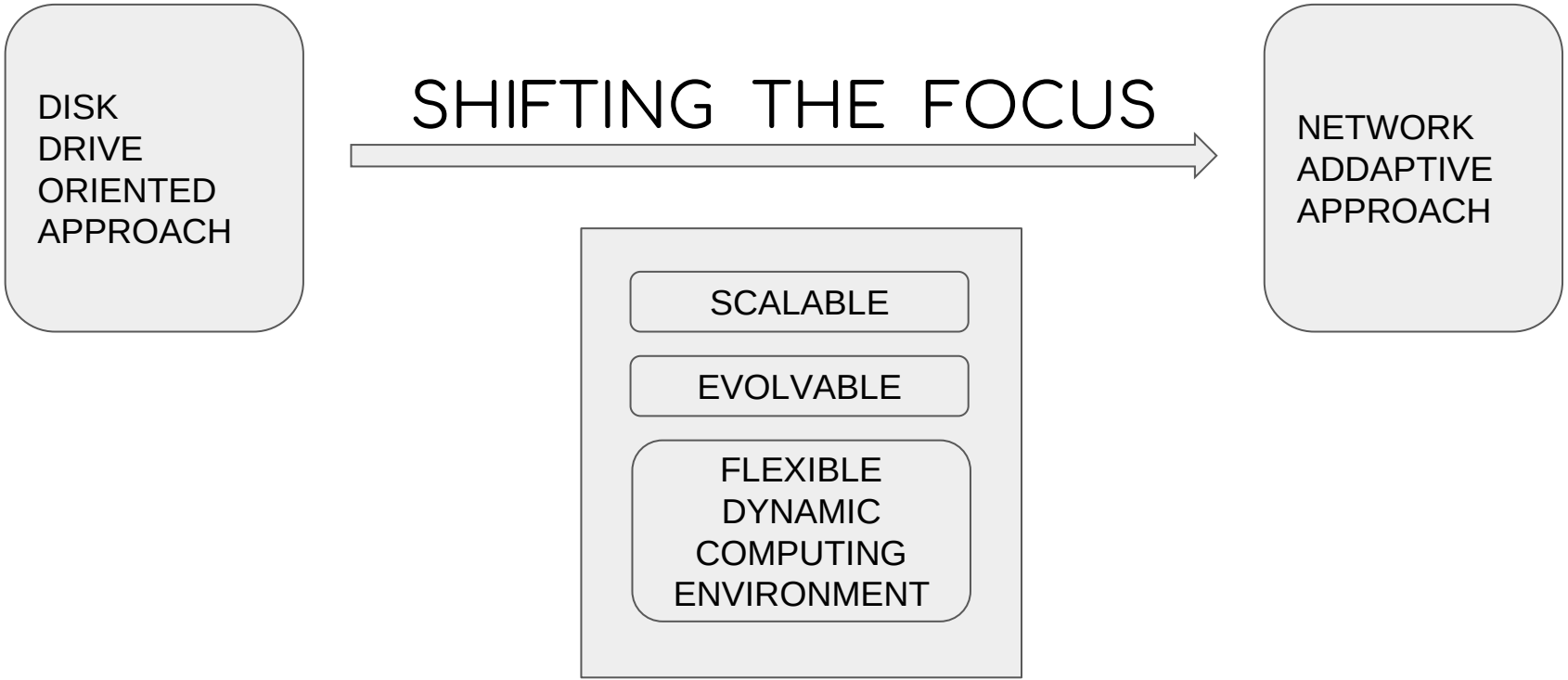
The main job of a service proxy is to ensure traffic is routed to the right destination service or container and to apply security policies.



HOW JINI WORKS ?



OBJECTIVE OF JINI TECHNOLOGY



COMPONENTS OF JINI TECH

- SERVICES
- LOOKUP-SERVICES
- EXTENDED RMI
- JAVA SPACES
- DISTRIBUTED SECURITY
- DISTRIBUTED EVENTS
- TRANSACTIONS

GOALS OF JINI TECHNOLOGY

- To enable users to share services and resources over a network.
- To provide users the ability to access resources anywhere easily on the network , even though the network location of the user may constantly change.
- To simplify the task of creating and managing network devices , software services , users.
- Jini makes resources over a network look like local resources.

BENEFITS OF JINI TECHNOLOGY

- It is easy to add and remove services.
- Services can be relocated on the network without affecting users.
- JINI is open-source , meaning that the program code is freely available on the Internet and there is no fees for using it.
- The JINI architecture is scalable.
- Everyone can access to same information & resources.

LIMITATIONS OF JINI TECHNOLOGY

- Depends on java / RMI or external mechanism for security.
- Does not scale well to very large systems because jini use lookup service as a broker between client & services

CURRENT SCENARIO / conclusion

- jini.org not available
- Source code is not available
- APACHE RIVER to ATTIC
- Eg : WINDOWS 365 , Cloud Gaming etc

Thanks for Your Kind Attention