

# OSGi Remote Services

ECF- Eclipse Communication Framework

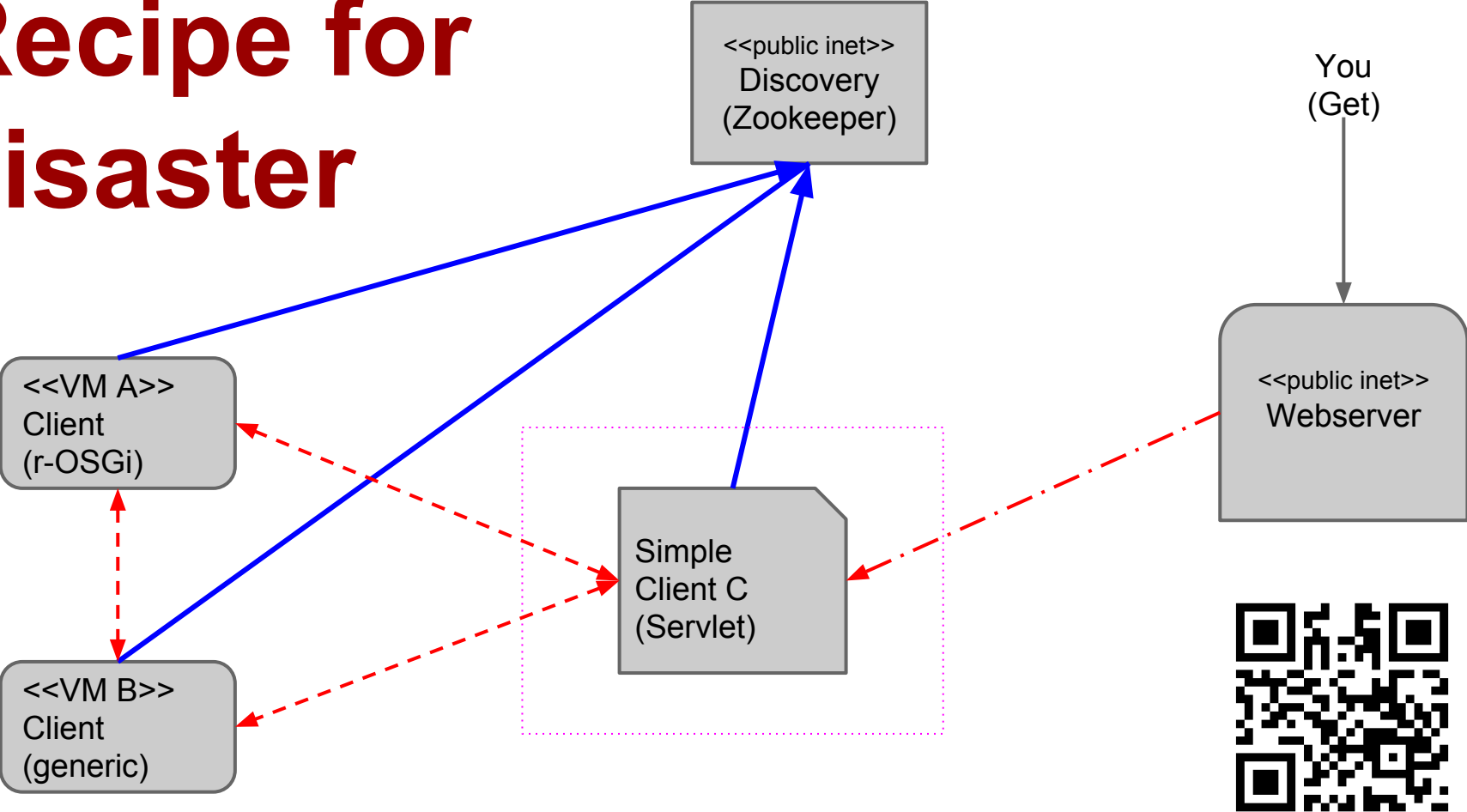
Markus A. Kuppe

ECF, Orbit, e4tools committer & RT-PMC member

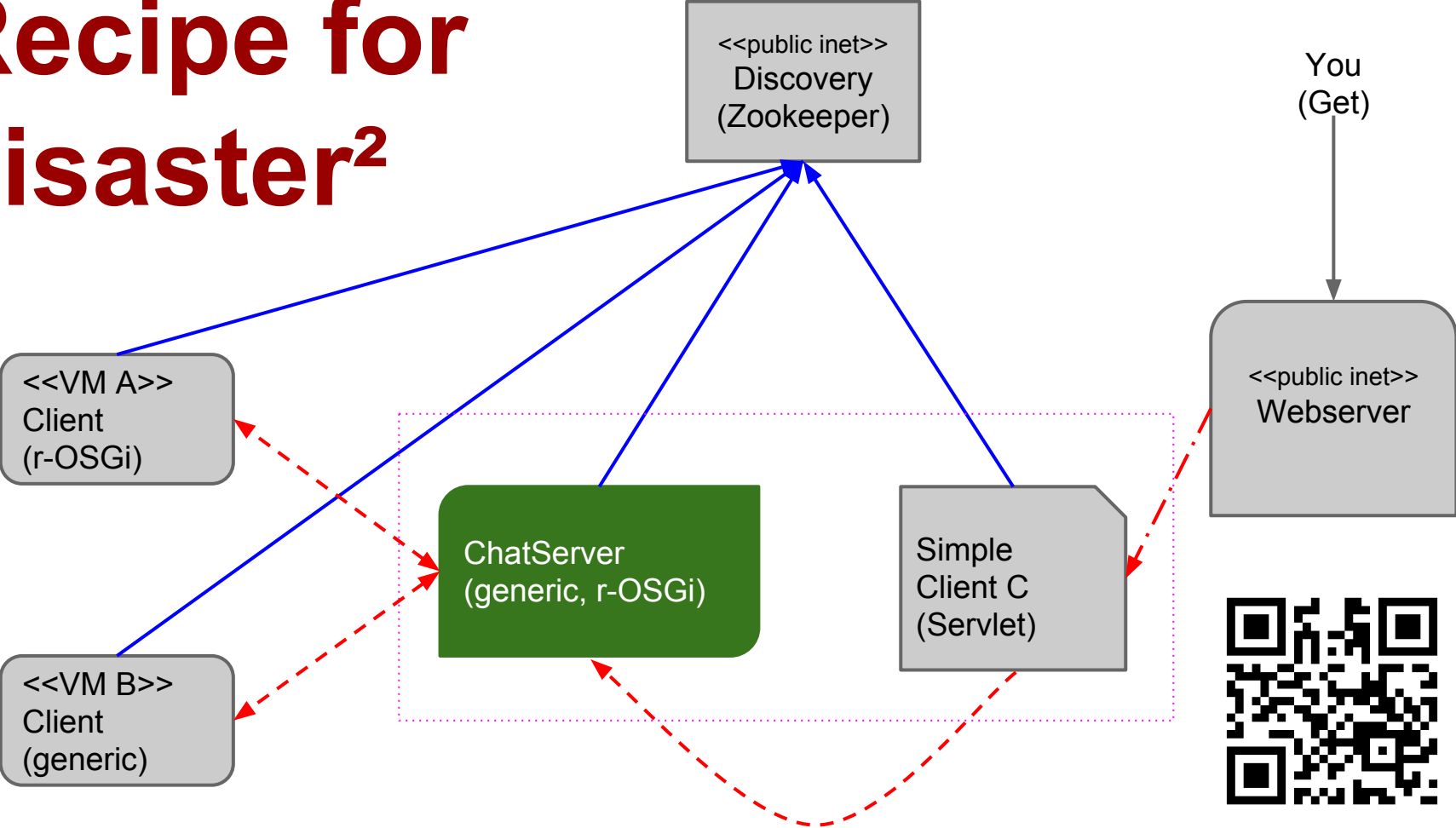
@lemmster

democamp@lemmster.de

# Recipe for disaster



# Recipe for disaster<sup>2</sup>



**Slide^DemoCamp**

# Happy chatting & QA ;-)



<http://www.lemmster.de/chat>

# Downloads

Chat Client: <http://goo.gl/G3IH7f>

Chat Server: <http://goo.gl/bCSW3j>

# ECF Architecture

<b>local</b>	<b>discovery</b>	<b>manager</b>	<b>transport</b>	<b>remote</b>
Service	File	RemoteServiceAdmin (RSA)	r_osgi	Service-proxy
	Zookeeper		ECF	
	DNS		JMS & MQTT	
	Bonjour		REST	
	SLP		XMPP	
	...		...	

# Fallacies of Distributed Computing

The network is reliable.

Latency is zero.

Bandwidth is infinite.

The network is secure.

Topology doesn't change.

There is one administrator.

*“A distributed system is one in which the failure of a computer you didn't even know existed can render your own computer unusable”*

[Lamport]