M2P GI - GICOM

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Objectives

Part I: Distributed algorithms and protocols for efficient and dependable distributed systems
S. Bouchenak

1. Advanced distributed systems: Autonomic computing, Cloud computing, Amazon EC2, Google App Engine, MapReduce
2. Caching protocols: Performance improvement, Consistency management, Memcached (used by Wikipedia, Youtube, etc.)
3. Self-adaptive systems, Dynamic self-provisioning, Amazon EC2

Part II : Advanced technologies for building distributed systems
D. Donsez, G. Forestier, T. Calmant

1. LDAP
2. OSGi
3. Bonita
4. UPnP
5. JMX
6. MOM / JMS

Planning GICOM

		Mardi 13H30-16H45 *F203 SunRay*		Vendredi 08H00-11H15 *F215 PC (F108)*
S1	17/01	Séance Annulée	20/01	Présentation Générale (DD) + Prise en Main
S2	24/01	Présentation (DD) 2H	27/01	OSGi (DD)
S3	31/01	Advanced distributed systems - CM (SB)	03/02	JMS + WS + REST (DD en F108)
S4	07/02	Caching protocols - CM (SB)	10/02	LDAP (GF en F108)
S5	21/02	Caching protocols - TP (SB)	24/02	JMX + Serv Adhoc (DD)
S6	28/02	Caching protocols - TP (SB)	03/03	TD (TC)
S7	06/03	Self-adaptive systems - CM (SB)	09/03	TD (TC)
S8	13/03	Cours/Tutoriel LDAP (GF)	16/03	TD (TC)
S9	20/03	Self-adaptive systems - CM (SB)	23/03	TD (TC)
S10	27/03	Self-adaptive systems - CM (SB)	30/03	TD (TC)

Organization

- Autonomic Computing 
- Cloud computing 
- Use cases
  - Amazon EC2
  - Google App Engine
- MapReduce