Readme myCore_comparison_estimate-load_real-load_on_ownCloud



My CoRe project ownCloud beta service load compared to estimate

Reference N/A

Last update 20/08/2015

Version 1.1

Responsible CNRS (D. Rousse)
Other documents/info. load estimate at

 $https://github.com/CNRS-DSI-Dev/mycore_press/blob/master/CNRS-LINAGORA-ownCloud-load-estimate.ods$

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Object The aim of this document is to compare Apache, SQL and network load mesured during My CoRe beta service to estimate made before launching the service.

Content :

Sheet 1 : This sheet Sheet 2 : Comparison sheet

Table des mises à jour du document									
Version	Date	Objet de la mise à jour							
1.0	08/10/2015	Initial release							
1.1	20/10/2015	Some update							

Comparison myCore_comparison_estimate-load_real-load_on_ownCloud

	BDD		Wel	b	Network						
	Number of SQL (requ	ests per second)	Number of web se	ssions (per day)	Bandwith usage	e upload (Mb/s)	Bandwith usage download (Mb/s)				
Number of users	Simulation	Real load	Simulation	Real load	Simulation	Real load	Simulation	Real load			
585	558	371	88	15	8	Not available	22	Not available			
754	723	505	113	27	10	Not available	29	Not available			
1018	976	465	153	31	14	Not available	39	Not available			
1128	1081	1085	169	42	16	4.5	43	8.1			
1196	1146	475	179	35	17	4.05	46	4.35			
1215	1165	482	182	46	17	3	46	6			
1251	. 1199	323	188	36	17	3	48	6			
1284	1231	323	193	33	18	2.4	49	4.5			
1306	1252	418	196	33	18	2.4	50	4.5			
To be continued											

Nota and comments:

We consider that 15 % of users are active (regarding the figures in https://github.com/CNRS-DSI-Dev/mycore_press/blob/master/CNRS-LINAGORA-ownCloud-load-estimate.ods)
Service is available for production only after 1500 end users accounts

Simulation figures are extracted from https://github.com/CNRS-DSI-Dev/mycore_press/blob/master/CNRS-LINAGORA-ownCloud-load-estimate.ods)

Real load figures are extracted from internal CNRS monitoring tool (Centreon system)

At present time, differences between simulation and real load could be explained by the service status: service is only beta so end users do not use it as a real production service. Some other statistics extracted from Dashboard ownCloud app, used in My CoRe, seems to confirm that: there are few shares, few data and files stored are on average small (for 1306 users, we have 1249 shares, 591 Gb files stored and average file size is 858 kB). This hypothesis needs to be confirmed within a few months.

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Helper

Sheet dedicated to create Comparison tab

Total (INSER	RT + SEL	LECT + UPDAT	E)	From https://g	ithub.com/CNR	S-DSI-Dev/my	core_press/blo	b/master/CNRS	S-LINAGORA-ow	nCloud-load-e	stimate.ods	
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	0.15	6	561			1082	1147		1200	1231	1252	
	0.2	6	775			1494	1585		1657	1701	1730	
		6	1203			2320	2460		2573	2641	2686	
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	1251	48										
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Upload							
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          0.2 0.092592593 18.51851852 92.59259259 555.5555556 925.9259259 1296.296296 1851.851852
          0.3 0.092592593 27.77777778 138.8888889 833.333333 1388.888889 1944.444444 2777.777778
          0.5 0.092592593 46.2962963 231.4814815 1388.888889 2314.814815 3240.740741 4629.62963
Bandwith usage upload (Mb/s)
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How to find statistics

Internal CNRS source for real load statistics

Number of users

sers

585 BL_0017_20150316_Métriques_Techniques_FW11/20150316 - My CoRe - Indicateurs.pdf et Point_COPIL_17032015.pdf

754 BL_0023_20150430_Métriques_Techniques_FW17/20150427 - My CoRe - Indicateurs.docx et Point_COPIL_21042015.pdf

1018 BL_0028_20150601_Métriques_Techniques_FW22/20150601 - My CoRe - Indicateurs.pdf et Point_COPIL_01062015.pdf

1128 BL_0030_20150617_Métriques_Techniques_FW24/20150615 - My CoRe - Indicateurs.pdf

1196 BL_0031_20150629_Métriques_Techniques_FW25_26/20150622 - My CoRe - Indicateurs.pdf

1215 BL_0031_20150629_Métriques_Techniques_FW25_26/20150629 - My CoRe - Indicateurs.pdf

1251 BL_0032_20150706_Métriques_Techniques_FW27/20150706 - My CoRe - Indicateurs.pdf

1284 BL_0034_20150717_Métriques_Techniques_FW28/20150713 - My CoRe - Indicateurs.pdf

1306 BL_0035_20150720_Métriques_Techniques_FW29/20150720 - My CoRe - Indicateurs.pdf