

Pandata Release Coordination

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Release Manager for Pandata



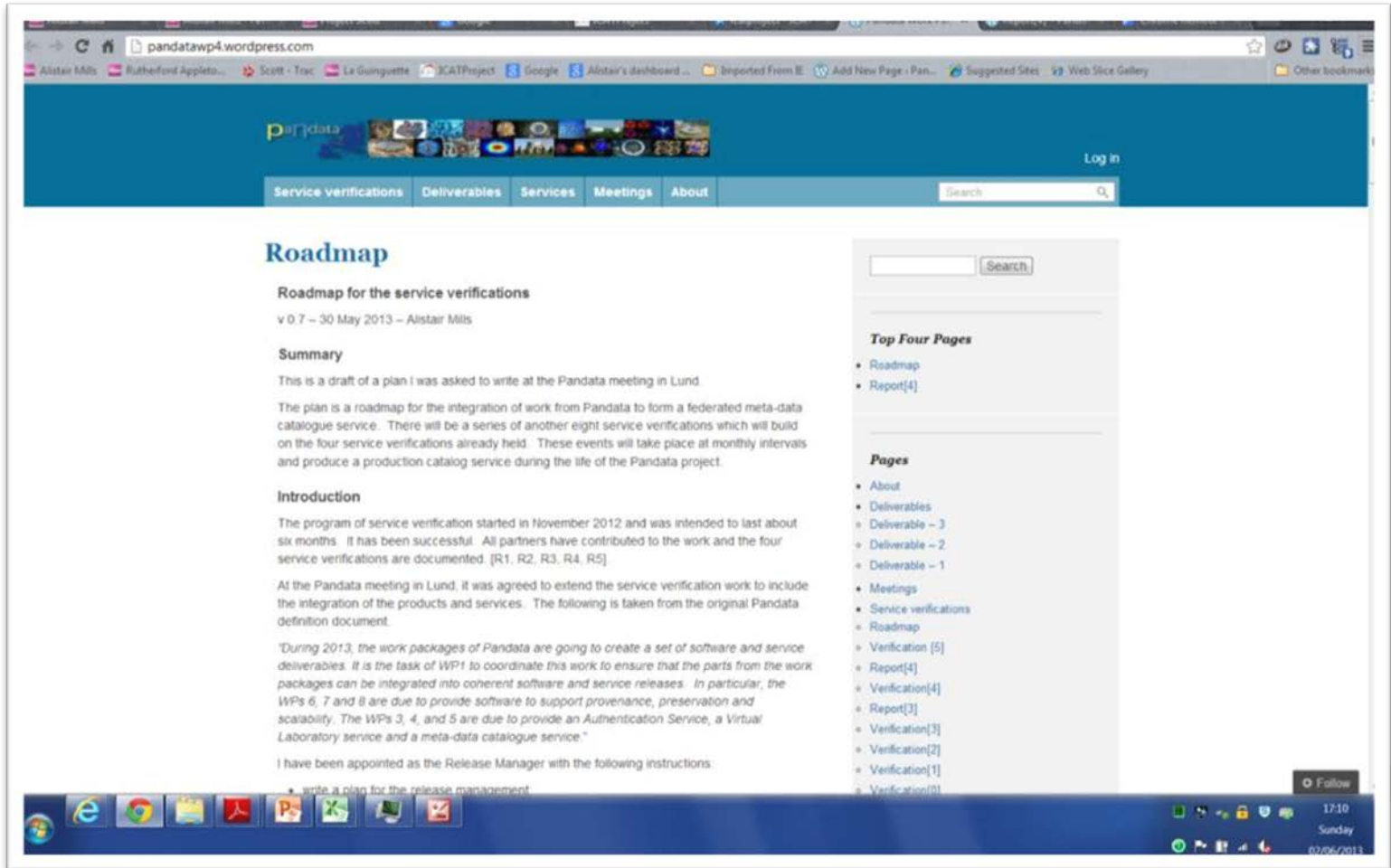
“During 2013, the work packages of Pandata are going to create a set of software and service deliverables. It is the task of WP1 to coordinate this work to ensure that the parts from the work packages can be integrated into coherent software and service releases. In particular, the JRAs are due to provide software to support provenance, preservation and scalability. The SAs are due to provide an Authentication Service, a Virtual Laboratory service and a meta-data catalogue service.”

The principal roles of the Release Manager include:

- being the main contact between the work packages and the test and the meta-data service work package;
- defining and delivering a schedule of test events involving most of the partners of Pandata;
- coordinating the test events;
- ensuring that the materials provided for test are in a testable state;
- providing feedback to the work packages on their materials;
- defining the contents of a release;
- ensuring that software releases are coherent and appear in a timely and reasonable form.



pandatawp4.wordpress.com



The screenshot shows a web browser displaying the WordPress site 'pandatawp4.wordpress.com'. The page features a blue header with a navigation menu containing 'Service verifications', 'Deliverables', 'Services', 'Meetings', and 'About'. A search bar is located in the top right corner. The main content area is titled 'Roadmap' and includes a sub-section 'Roadmap for the service verifications' dated 'v 0.7 - 30 May 2013 - Alistair Mills'. The page contains sections for 'Summary' and 'Introduction', with the latter detailing the project's progress and future plans. A right-hand sidebar lists 'Top Four Pages' and 'Pages'. The Windows taskbar at the bottom shows the date as Sunday, 07/06/2013, and the time as 17:10.



Software Releases

Release Date	Contents – note that this is indicative	Verification
0.0	May ICAT, authn_db, authn_Idap, DM, Topcat. Low grade authentication service using Facebook.	SV[4]
0.1	June As 0.0, plus development federation	SV[5]
0.2	October As 0.1, plus materials from WP 5, 7 and 8	SV[6]
0.3	November As 0.2, plus integration with Umbrella	SV[7]
0.4	December As 0.3; A technology preview release	SV[8]
0.5	February Release candidate	SV[9]
1.0	March Production release	SV[10]



What is Service Verification?



The following was the plan proposed in June 2012 in Trieste:

- I propose a series of service verifications using Icat;
- The purpose is to discover requirements for Icat 4.3;
- I propose to coordinate this work;
- Several institutions participate, each provides one person day per month;
- We have one service verification per month;
- Each institution offers an Icat catalogue which may be remotely located;
- Each institution has its own Icat;
- Each institution verifies that it can find everyone else's Ipcat;
- We start off with something very simple;
- We make it more ambitious each month;
- We stop when everything is working;
- We have two telephone conferences of less than one hour per month;
- Institutions can join or leave the work;
- Very limited testing of this has revealed difficulties with firewalls;
- We have a core of five participating institutes: ISIS, DLS, Elettra, ESRF, ILL;
- We add the others when they are ready: Desy, Alba, HZB, Jcns , PSI, Soleil, LLB, Max;
- We invite our associates to participate: ANS, SNS;
- We want to have all institutes involved by March 2013.



Schedule of service verification

SV	Date	Major topics – note that this is indicative and requires refinement
4	10 May	Use of the bigv federation to verify the download manager. Use of the bigv authentication service.
5	21 June	Initial test of the development federation. Verification of a download service. Verification of an ingest service.
6	October	Initial test of the production service. Integration of materials from WP 5, 6, 7, 8.
7	November	Verification of the Umbrella authentication service. Integration of materials from WP 5, 6, 7, 8.
8	December	Verification of the production service.
9	February	To be defined.
10	March	To be defined.



What did we learn?

➤ Servers:

- should use standard ports, that is https:443;
- should use certificates from a recognized certificate authority;
- should authenticate login requests using their site preferred authentication mechanism.

➤ Clients:

- should connect from a location representative of a user of the ICAT.

➤ Firewalls:

- Are very variable in their rules;
- Some sites negotiate
- Some sites are not negotiable



Service Verification [5] – J

Client	Destination	Alba – Spain (cells)	DESY – Germany	DLS – UK	Elettra – Italy	ESRF – France	HZB – Germany	ILL – France	ISIS – UK	JCNS – Germany	LLB – France	MAX – Sweden	PSI – Switzerland	Soleil – France	STFC – UK
Alba – Spain		1			1	1	1	1	1					1	1
DESY – Germany		1			1	1	1	1	1					1	1
DLS – UK		1			1	1	1	1	1					1	1
Elettra – Italy		1			1	1	1	1	1					1	1
ESRF – France		1			1	1	1	-1	-1					1	1
HZB – Germany															
ILL – France															
ISIS – UK		1			1	1	1	1	1					1	1
JCNS – Germany															
LLB – France															
MAX – Sweden															
PSI – Switzerland															
Soleil – France		1			1	1	1	1	1					1	1
STFC – UK		1			1	1	1	1	1					1	1



Service Verification [5] - P

Client	Destination	Alba – Spain (cells)	DESY – Germany	DLS – UK	Elettra – Italy	ESRF – France	HZB – Germany	ILL – France	ISIS – UK	JCNS – Germany	LLB – France	MAX – Sweden	PSI – Switzerland	Soleil – France	STFC – UK
Alba – Spain		1	1	1	1	1	1	1	1				1	1	
DESY – Germany		1	1	1	1	1	1	1	1				1	1	
DLS – UK		-1	1	-1	-1	1	1	1	1				-1	1	
Elettra – Italy		1	1	1	1	1	1	1	1				1	1	
ESRF – France		-1	-1	1	-1	-1	-1	-1	-1				-1	-1	
HZB – Germany															
ILL – France		-1	1	-1	-1	1	1	1	1				-1	1	
ISIS – UK		1	1	-1	-1	1	1	1	1				-1	-1	
JCNS – Germany															
LLB – France															
MAX – Sweden															
PSI – Switzerland															
Soleil – France		1	1	1	1	1	1	1	1				1	1	
STFC – UK		-1	1	-1	-1	1	1	1	1				-1	1	

Value of an ICAT

Service verification address only addresses infrastructure

The value of the ICAT is determined by:

- How is it deployed?
- Can I trust it?
- Can it trust me?
- What content is available?

For each ICAT, I have given each ICAT a score of 0-3 for each criterion;

The scores are combined to form a score for the value of the ICAT.



Value of the ICATs in SV[4]



Client	Value	Deployment	Certificate	Content	Authentication	Date	Unknown	Production	Development	None
Alba – Spain	32%	1	1	2	2	June			Yes	
DESY – Germany	16%	1	2	1	1	October			Yes	
DLS – UK	91%	3	3	3	2	October		Yes		
Elettra – Italy	0%	1	1	1	1	June			Yes	
ESRF – France	82%	3	3	2	2	June			Yes	
HZB – Germany							Yes			
ILL – France	91%	3	3	2	3	June			Yes	
ISIS – UK	100%	3	3	3	3	October		Yes		
JCNS – Germany	0%	1	1	1	1	October			Yes	
LLB – France										Yes
MAX – Sweden							Yes			
PSI – Switzerland							Yes			
Soleil – France	25%	3	1	1	1	June			Yes	
Count		9	9	9	9	9	3	2	7	1
		69%	69%	69%	69%	69%	23%	15%	54%	8%
score		Deployment characteristics					Federation intentions			
0		none	none	none	None					
1		other	self-signed	service-verification	authn_db					
2		http:80	local	representative-data	institutional					
3		https:443	global	institutional	umbrella					



What does the RM need ?

For each of the leaders of work packages 3-8:

- What do they want to have tested?
- How are they going to make the materials available?
- When will the materials be available?
- How many rounds of testing do they require?
- How much resource can they commit to this work?
- Who is the principal contact?



Release Coordination – Summary – 1

Where the work of Pandata is integrated



Please provide SMART things for verification

S - specific - be very specific about what has to be tested

M - measurable - we know if we have done it

A - achievable - it is possible with the available resources

R - relevant - it is part of Pandata

T - time bound - we can do it and move on

For example, the European Affiliation Database

S - a jar file containing an easy to use java application

M - each partner can see it is working

A - the installation requirements are very simple

R - it is part of the work of Pandata, and nothing else

T - we did a test in SV[5]. We will do another test in a later SV



Release Coordination – Summary - 2

Please provide SMART things for verification

S - specific - be very specific about what has to be tested

M - measurable - we know if we have done it

A - achievable - it is possible with the available resources

R - relevant - it is part of Pandata

T - time bound - we can do it and move on

For example, Umbrella

S - what has to be tested?

M - can each partner do it, and will he know it has been done

A - is it easy to deploy and integrate the services

R - is it relevant to Pandata

T - can we do it as a series of steps in several SV





Discussion

- What do you think?
- What can you commit?

<http://www.icatproject.org/>

<http://code.google.com/p/icatproject/>



