

# Pandata Release Coordination

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# What is Service Verification?



The following was the plan propose 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.



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# 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.



# 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[1]



SV[1]	Value	Deployment	Certificate	Content	Authentication
<a href="#">Alba – Spain</a>	0%	1	1	1	1
<a href="#">DESY – Germany</a>					
<a href="#">DLS – UK</a>		1	1	1	1
<a href="#">Elettra – Italy</a>		1	1	1	1
<a href="#">ESRF – France</a>					
<a href="#">HZB – Germany</a>	66%				
<a href="#">ILL – France</a>		3	3	1	2
<a href="#">ISIS – UK</a>					
<a href="#">JCNS – Germany</a>		1	1	1	1
<a href="#">LLB – France</a>					
<a href="#">MAX – Sweden</a>	0%				
<a href="#">PSI – Switzerland</a>					
<a href="#">Soleil – France</a>		1	1	1	1
<a href="#">STFC – UK</a>		1	1	1	1
<a href="#">SNS/ORNL - USA</a>					
<a href="#">ANS - Australia</a>					
Value = $\log_3( T_{fi} /n)$	Score	zero	1	2	3
	Deployment	none	other	http:80	https:443
	Certificate	none	selfsigned	locally signed	respected
	Content	none	service verification	representative data	full catalogue
	Authentication	none	authn_db	institutional	umbrella



# 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. Juan has asked me to be the Release Manager to coordinate this work.."*

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.



# What does the RM need

From each of the partners:

- The grade of ICAT deployment do they intend? (0-3)
- The grade of certificate they intend (0-3)
- The grade of authentication they intend (0-3)
- The grade of content they intend (0-3)
- The resource can they commit to this work (0%-100%)
- The name of the principal contact

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?







# Discussion

- What do you think?
- What can you commit?
- How soon can we get going?

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

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

