

## myTardis Investigation Summary

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KPI	Merits	Issues	Others
<b>Deployment</b>	<p>Open sources</p> <p>Assistance from UWA and UQ</p>	<p>Documentation is out-of-date at <a href="http://mytardis.readthedocs.io/en/develop/admin/install.html">http://mytardis.readthedocs.io/en/develop/admin/install.html</a></p> <p>STABLE version is out-of-date. Dev version is for development. There is no working/stable version for deployment. A customized Dev version is required for production</p> <p>Knowledge of linux packages are required to deploy myTardis:</p> <ul style="list-style-type: none"> <li>- virtualenvwrapper</li> <li>- django</li> <li>- python</li> <li>- sql</li> <li>- docker</li> </ul> <p>Lack of production proven deployment packages</p> <p>Not much documentation. Whatever can be found (Monash) is out of date. Install instructions virtually useless</p>	<p>Two deployment methods are tried, and two sites are registered and operating:</p> <p>Supported by UWA, using Docker: <a href="https://mytardis.unsw.edu.au/">https://mytardis.unsw.edu.au/</a></p> <p>Supported by MWAC team, following myTardis original deployment instructions: <a href="https://dev.mytardis.unsw.edu.au/">https://dev.mytardis.unsw.edu.au/</a></p> <p>Currently using a development VM and a Docker based VM</p>
<b>Maintainability</b>	<p>VM based</p>	<p>Separation of web service and SQL</p> <p>Build local support team expertise</p> <p>Version upgrade of myTardis cannot be done due to the lack of documentation</p>	<p>Disaster recovery procedures are lacking</p> <p>Re-deployment could be difficult</p>
<b>Enhancement</b>	<p>Open sources</p>	<p>Lack of documentation</p> <p>Require knowledge of Django and python</p> <p>Require knowledge of SQL</p>	<p>Metadata visualizations are required to support different data type</p>

			Super users are needed for myTardis
<b>Scalability</b>	In principle good; VM based  True data storage space can run on separate storage service	myTardis production site has not mapped to the separate data storage.  Scalability of the storage is possible. However, it doesn't mention if myTardis can be expended or join any distributed system. The implementation is not there yet.	
<b>User Experience</b>	Easy to use. Mytardis is accessed through web interface, using a separate client to up/download data with	Not user friendly Difficult to manage data approval Difficult to set up admin parameters No user manual  Many settings in Django need to be customized by end users. It's not a ready-to-go system.  Client install limited on various platforms. Win client ok to set up but no proper client for Debian based software. The RedHat/CenOS based client has issues with certificates	Although it appears that the software (web based Mytardis and a separate data client) is easy to install several cross-platform issues exist
<b>Reliability</b>	tbc	Production release not stable  Stable myTardis is broken. Only Dev version works.  Dev version is deployed  Data recovery is not mentioned in documentation	
<b>Authentication</b>	LDAP AAF Local		
<b>Data Agent – myData</b>	Cross platform support	Instructions for a Mytardis install on Ubuntu 14.04 are available...but this install fails out of the box. Also no data client available for Debian (conversion from rpm crashes)	Documentation of Mytardis is so poor....Didn't even know I needed a special data client for data

	See comments above...install not out of the box and no box for various platforms		up/download....was under the impression this was done through the use of a separate FTP protocol
<b>Connectivity</b>	Easy access from anywhere using web interface	Data client needs to be set up but not always easy (see above)	
<b>Accessibility</b>	Web interface is good with limited, but functional options. SUs can set access to various files/protocols etc	Architecture for file/data storage follows strict rules which can be cumbersome for the liberal scientist.  Web portal is working. Client is not well-designed.	
<b>Support</b>	Via third party. Need to have this. Mytardis is build using various software packages that require expert knowledge in order to properly setup and run	Training are expected for support staff  Support from project developers is very limited as it's not a well-known project worldwide.	
<b>Achievability</b>	Seems OK for Australian based projects (as Mytardis is a Monash product), however, my impression is that outside Australia XNAT is preferred.	Good for local or small projects. It appears that XNAT is the preferred platform for large scale (continent spanning) projects.	
<b>Metadata Readability</b>	Like raw data. Mytardis does not	Lack of wide acceptance on market	

	have any built-in readers as XNAT does		
<b>Documentation</b>	Basically nonexistent.	Good documentation would be a great help for users  myTardis is not a production-ready system. It was made looked like a finished project with many unfinished functionality and documentation. It requires further development by people who have both technical and scientific background.	