

## Login To Tango 2.0

These instructions outline how to login to Tango 2.0– UniSA's HPC Cluster.

1. Open an Internet Browser and go to <a href="https://tango.unisa.edu.au">https://tango.unisa.edu.au</a>

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2. Click on Login to Tango 2.0 High Performance Compute



3. Select your organisation from the dropdown.

For example, if your organisation is UniSA then search for University of South Australia in the search tab.

Click on Continue to your organisation

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Pi	lease select your organisation below, you will be redirected to complete	Ite the login process.	
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	Continue to your organisation		
	Remember my organisation	Keyboard shortcuts	
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Enter your Username and Password for your organisation
 For example, if your organisation is UniSA then the following screen will be shown.
 Enter your UniSA Username and Password.
 Click on Login

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Australian Access Federation Authentication Service	
Federated login for Federated Services	
Enter your University of South Australia         Username         Username         Password         I be transmetation         I be tran	
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5. Review the Tango 2.0 Acceptance of Use Policy and accept by clicking on Accept

anaged bookmarks		
	<ul> <li>Unlike reserves use right to unlike any account or support access to any resource at any tune.</li> <li>These Conditions of Use and associated policies may change over time and the most recent version supersedes all others.</li> </ul>	
	Privacy Policy	
	By accessing this resources you are agreeing to abide by the UniSA Privacy Policy.	
	Computational Resources	
	<ul> <li>Installation of any software must have prior approval from ISTs.</li> <li>Use of software overed by any license agreement is bound by that agreement.</li> <li>Users must not dowing the must account details to any other priors and must take every reasonable precaution to ensure their passwords and private keys are secure.</li> <li>Users agree to advise ISTs if They become aware of any security breach or potential risk.</li> <li>All accounts on the HI-KS system agreement by breacher spectra potential risk.</li> <li>All accounts on the HI-KS system agreement by breacher spectra potential risk.</li> </ul>	
	Research Data Storage	
	Research data stored in a "UnISA Croup Drive" (See Research Data Storage for more information) can be made available to access from within the HPC Cluster upon request.	
	A Data Management Plan should be created for the research project which includes information about compute used for the project and use of the HPC cluster. See Data Management Planning for more information.	
	Network Policy	
	Purpose and Policies	
	All traffic on the UniSA network may be monitored, and network access to individuals and hosts may be terminated without notice, if network activity is considered inappropriate.	
	Inappropriate use includes downloading or uploading of offensive or illegal or copyrighted content. The UNISA network is not to be used for the sharing of music, movies or videos, nor for the purpose of connecting to UNISA servers or external servers or organisations for which the user does not have authorised access. The conditions of use of UniSA computers also apply here.	
	It is the user's responsibility to ensure that hosts connected to the UniSA network run up-to-date anti-virus software where possible and appropriate. Incoming traffic is fittered at UniSA's frewall.	
	Security Policy	
	By accessing UniSA Information resources you are agreeing to abide by the oniSA Security Policy.	
	UnISA may terminate or restrict access to its information resources without prior notice, if such action is necessary to maintain availability and security for other users.	
	If you require any assistance, please contact the UNSA IT Help Desit on DBI 4502 5000 or second thelpoetid/unita etc.au	

6. Click on Generate an SSH Key Pair for me to create SSH Key.

If you generate an SSH Key, a file will be downloaded onto your computer (tango-private-key.pem). This is your private key and must be kept in a safe place. Do not delete/lose this private key file.

OR

Click on Submit my own SSH Public Key if you have an existing SSH key you would like to use

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		Create your SSH Key		
	Click on one of the	outtons to set up an SSH Key in order to access Tango 2.0 H Cenerate an SSH Key Pair for me Submit my own SSH Public Key	igh Performance Compute.	
If you requir	any assistance, please contact the UniSA IT Help Desk on	08) 8302 5000 or by email itnetpoesk@unisa.edu.au		
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Enquire on	ine Q8 8302.6611	UniSA respects t	the Kauma, Boandik and Bamgarla peoples' spiritual relationship with their	

7. If you choose to submit your own SSH Public Key, paste your SSH Public key into the text field and click submit

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8. Your SSH key will be associated to your Tango 2.0 account. Your public key is displayed (We do not keep a copy of your private key). If you lose your private key, a replacement key can also be generated.

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If you require any assistance, please contact the UnISA II	Help Desk on (08) 8302 5000 or by email (Intelpdesk@unisa.eou.au

There are a number of options for you to choose from on the Navigation menu:

9. To view Tango 2.0 Cluster Status, click on View Tango Cluster Status

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TAN	CO 2.0 High Performance Compute
Navigation	Tango 2.O Cluster Status
Home	Below is a visualization of the current Tango 2.0 HPC Cluster Status.
Your SSH Key	CPU Utilization Memory Utilization
Logout Tango 2.0 Queries	0 cores 0.01 CB 99.23 CB
View Tango 2.0 Cluster Status View Job Queue on Tango 2.0 View Tango 2.0 Software Catalogu	392 cores 420 cores
Additional Resources	5601.00.08
Request new software on Tango 2.0 Request additional compute allocation	In Use Available Unavailable
Help Documentation and User	Below is a visualization of the individual nodes.
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	Itupl-hpc5 Itupl-hpc6 Itupl-hpc7 Itupl-hpc8

10. To view Job Queue on Tango 2.0, click on View Job Queue on Tango

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Home	Job ID	Partition	User	Job Name	Job State	Running Time (secs)	Nodes	Node List
Your SSH Key Logout	197525	Tango	rbrown	MPI Ping Pong	Completing	57:32	4	Tango O3-O6
Tango 2.0 Queries	197628	Tango	rbrown	Linpack Benchmark	Running	34:18	4	Tango 07-10
View Tango 2.0 Cluster Status	197730	Tango	rbrown	Data Restructure	Running	15:52	3	Tango 12-14
View Tango 2.0 Software Catalogue	197732	Tango	jmartin	MPI Hello World	Pending	00.00	6	Resources
Additional Resources	197734	Tango	jmartin	Compile Task	Pending	00:00	12	Resources
Request new software on Tango 2.0 Request additional compute allocation Help Documentation and User Guides	197736	Tango	jmartin	Data Restructure	Pending	00:00	8	Resources
If you require any assistance, please contact the UniSA IT	Help Desk on (O8) 83O2 5	000 or by ema	iil itnelpdesk⊛u	inisa.edu.au				
Contact us	General Enquirie	s		Connect with UniSA	<b>N</b> 60			
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11. To view Tango 2.0 Software Catalogue, click on View Tango Software Catalogue



12. To submit a request for new software on Tango 2.0 click on Request new software on Tango.

Fill in the Software name and Software use case fields

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13. To submit a request for additional compute allocation, click on Request additional compute allocation Type the Amount needed, Justification, Associated Research Project and Timeframe Click on Submit

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If you require any HPC assistance, please contact the UniSA IT Help Desk on (08) 8302 5000 or by email <u>ithelpdesk@unisa.edu.au</u>

