

TECHNOLOGY & ENGINEERING SERIES

Building A Data Science Platform



Data science teams rely on Python and Jupyter to create and share documents that contain live code, equations, visualizations and explanatory text. Jupyter notebooks are typically used for data exploration, data cleaning and transformation, machine learning and much more. JupyterHub is the multi-user version of Jupyter that offers pluggable authentication, centralized deployment, container-friendly and unified software management and data access. Anaconda is a leading Open Data Science Platform powered by Python and includes Jupyter by default.

For the IT operations and devops tasked to build a modern data science platform that incorporates Anaconda and Jupyter for your data science teams, this programme will introduce you what a data science platform is and how you can use container technologies such as Docker and Kubernetes to deploy and manage data science environments and pipelines powered by Anaconda, Jupyter notebooks and JupyterHub.

DATE

16 April 2018

DURATION

1 Day; 9.00am to 5.30pm

VENUE

National University of Singapore

**Registration will close 5
working days prior to
programme commencement
date**

REGISTER NOW!

PROGRAMME OUTLINE

- ◆ Agile and modern data science platform 101
- ◆ Read-Eval-Print Loop (REPL) on steroids computing environments for data science teams
- ◆ Container technologies and management of containerized applications
- ◆ Build your data science platform

WHO SHOULD ATTEND

Data Engineers, IT Engineers. System Administrators

PRE-REQUISITES

Must be familiar with the Python programming language, and experienced with platform deployment in general with common open source tools.



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FEES & FUNDING

	International Participants	Singapore Citizens ¹			Singapore PRs	Enhanced Training Support for SMEs ⁴
		21 to 39 years old	40 years or older ²	Eligible for WTS ³	≥ 21 years old	
Full Programme Fee	S\$850.00	S\$850.00	S\$850.00	S\$850.00	S\$850.00	S\$850.00
Less: SSG Grant Amount	-	(S\$595.00)	(S\$595.00)	(S\$595.00)	(S\$595.00)	(S\$595.00)
Nett Programme Fee	S850.00	S\$255.00	S\$255.00	S\$255.00	S\$255.00	S\$255.00
7% GST on Nett Programme Fee	S\$59.50	S\$17.85	S\$17.85	S\$17.85	S\$17.85	S\$17.85
Total Nett Programme Fee Payable, Including GST	S\$909.50	S\$272.85	S\$272.85	S\$272.85	S\$272.85	S\$272.85
Less Additional Funding if Eligible Under Various Schemes	-	-	(S\$170.00)	(S\$212.50)	-	(S\$170.00)
Total Nett Programme Fee Payable, Including GST, after additional funding from the various funding schemes	S\$909.50	S\$272.85	S\$102.85	S\$60.35	S\$272.85	S\$102.85

¹ All self-sponsored Singaporeans aged 25 and above can use their \$500 SkillsFuture Credit to pay for the programme. Visit the SkillsFuture Credit website (www.skillsfuture.sg/credit) to select the programme.

² Mid-Career Enhanced Subsidy - Singaporeans aged 40 and above may enjoy subsidies up to 90% of the programme fee.

³ Workfare Training Support (WTS) - Singaporeans aged 35 and above (13 years and above for persons With disabilities) and earn not more than S\$2,000 per month, may enjoy subsidies up to 95% of the programme fee.

⁴ Enhanced Training Support for SMEs (ETSS) - SME-sponsored employees (Singaporean Citizens and PRs) may enjoy subsidies up to 90% of the programme fee. For more information, visit www.ssg.gov.sg/programmes-and-initiatives/training/enhanced-training-support-for-smes.html.

⁵ Eligible organisations (excluding government entities) may apply for the absentee payroll funding via SkillsConnect at www.skillsconnect.gov.sg for Singaporean/permanent resident participants attending the programme during working hours. The absentee payroll funding is computed at 80% of hourly basic salary capped at \$4.50 per hour or \$7.50 per hour for SME or 95% of hourly basic salary for WTS. For more information, visit <https://www.skillsconnect.gov.sg/sop/portal/e-Services/For%20Employers/AbsenteePayroll.jsp>

