NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

NTU Academy for Professional and Continuing Education

Schedule for (SCTP) Advanced Professional Certificate in Cloud Infrastructure Engineering - Cohort 13					Updated:		9 Jan 26
4	**Date**	**Unit**	**Lesson Title**	**Start**	**End**	**Location**	
CE1: IT Infrastructure Essentials			Key Topics: Week 1: Introduction to IT Infrastructure and Networks Week 2: Network Communications and Security Week 3: Server Administration Week 4: Network Security, High Availability & Disaster Recovery Week 5: Load Balancing Week 6: Databases and Cloud Migration	**Start**	**End**	**Location**	
MON	**25 May-26**		Welcome + Introduction	19:00	22:00	Online Zoom	
TUE	26 May-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	27 May-26	PH	Hari Raya Haji				
THU	28 May-26						
FRI	29 May-26						
SAT	30 May-26	CW	Career Workshop #1 - Uncover Your Next Path: Career Discovery for Mid-Career Changers	10:00	13:00	NTU@One-north	
SUN	31 May-26	PH	Vesak Day				
MON	1 Jun-26	PH	Vesak Day Public Holiday				
TUE	2 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	3 Jun-26	1.1	Introduction to IT Infrastructure	19:00	22:00	Online Zoom	
THU	4 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	5 Jun-26						
SAT	6 Jun-26	1.2	Networking Essentials	10:00	13:00	NTU@One-north	
SUN	7 Jun-26						
MON	8 Jun-26	1.3	Network Communications Protocol	19:00	22:00	Online Zoom	
TUE	9 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	10 Jun-26	1.4	Basic Security	19:00	22:00	Online Zoom	
THU	11 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	12 Jun-26						
SAT	13 Jun-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	14 Jun-26						
MON	15 Jun-26	1.5	Servers Administration I	19:00	22:00	Online Zoom	
TUE	16 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	17 Jun-26	1.6	Servers Administration II	19:00	22:00	Online Zoom	
THU	18 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	19 Jun-26						
SAT	20 Jun-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	21 Jun-26						
MON	22 Jun-26	1.7	Network Security	19:00	22:00	Online Zoom	
TUE	23 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	24 Jun-26	1.8	High Availability & Disaster Recovery	19:00	22:00	Online Zoom	
THU	25 Jun-26	CW	Career Workshop #2 - Stand Out: Building a Powerful Professional Brand	19:00	22:00	Online Zoom	
FRI	26 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	27 Jun-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	28 Jun-26						
MON	29 Jun-26	1.9	Load Balancing	19:00	22:00	Online Zoom	
TUE	30 Jun-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	1 Jul-26	1.10	Database I	19:00	22:00	Online Zoom	
THU	2 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	3 Jul-26						
SAT	4 Jul-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	5 Jul-26						
MON	6 Jul-26	1.11	Database II	19:00	22:00	Online Zoom	
TUE	7 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	8 Jul-26	1.12	Cloud Migration	19:00	22:00	Online Zoom	
THU	9 Jul-26		Assignment + Module Quiz + Self Study	19:00	22:00	Self study	
FRI	10 Jul-26						
SAT	11 Jul-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	12 Jul-26						

• All lecture will be facilitated Virtually unless otherwise stated
• F2F lecture will be held at NTU@one-north campus (off North Buona Vista Road)
• NTU reserves the right to change the date, mode/venue of lesson or cancel class due to unforseen circumstances

Schedule for (SCTP) Advanced Professional Certificate in Cloud Infrastructure Engineering - Cohort 13					Updated:	9 Jan 26
4	**Date**	**Unit**	**Lesson Title**	**Start**	**End**	**Location**
CE2: Cloud Technologies Essentials and Architectural Design			Key Topics: Week 1: Principles in Cloud Architecture Design Week 2: Infrastructure as a Code Week 3: Database as a Service, IAM Week 4: Storage, Deployment as a Service Week 5 and 6: Security, Networking, Function as a Service Week 7: Serverless Architecture Week 8: Secret Management, Cost and Monitoring Week 9 and 10: Cloud Certification Training			
MON	13 Jul-26	2.1	Principles in Cloud Arch. Design	19:00	22:00	Online Zoom
TUE	14 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	15 Jul-26	2.2	Infrastructure as Code 1	19:00	22:00	Online Zoom
THU	16 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	17 Jul-26					
SAT	18 Jul-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	19 Jul-26					
MON	20 Jul-26	2.3	Infrastructure as Code 2	19:00	22:00	Online Zoom
TUE	21 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	22 Jul-26	2.4	Infrastructure as Code 3	19:00	22:00	Online Zoom
THU	23 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	24 Jul-26					
SAT	25 Jul-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	26 Jul-26					
MON	27 Jul-26	2.5	Database as a Service	19:00	22:00	Online Zoom
TUE	28 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	29 Jul-26	2.6	Identity Access Management	19:00	22:00	Online Zoom
THU	30 Jul-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	31 Jul-26					
SAT	1 Aug-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
		CW	Career Workshop #3 - Connecting with Purpose: Networking for Career Transitions	14:00	17:00	NTU@One-north
SUN	2 Aug-26					
MON	3 Aug-26	2.7	Storage	19:00	22:00	Online Zoom
TUE	4 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	5 Aug-26	2.8	Deployment as a Service	19:00	22:00	Online Zoom
THU	6 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	7 Aug-26					
SAT	8 Aug-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	9 Aug-26	PH	National Day			
MON	10 Aug-26	PH	National Day Public Holiday			
TUE	11 Aug-26	2.9	Security	19:00	22:00	Online Zoom
WED	12 Aug-26	2.10	Networking 1	19:00	22:00	Online Zoom
THU	13 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	14 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	15 Aug-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	16 Aug-26					
MON	17 Aug-26	2.11	Networking 2	19:00	22:00	Online Zoom
TUE	18 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	19 Aug-26	2.12	Function as a Service	19:00	22:00	Online Zoom
THU	20 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	21 Aug-26					
SAT	22 Aug-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	23 Aug-26					
MON	24 Aug-26	2.13	Serverless Architecture 1	19:00	22:00	Online Zoom
TUE	25 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	26 Aug-26	2.14	Serverless Architecture 2	19:00	22:00	Online Zoom
THU	27 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	28 Aug-26					
SAT	29 Aug-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	30 Aug-26					
MON	31 Aug-26	2.15	Secret Management	19:00	22:00	Online Zoom
TUE	1 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study

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WED	2 Sep-26	2.16	Cost and Monitoring	19:00	22:00	Online Zoom	
THU	3 Sep-26	CW	Career Workshop #4 - Crafting the Perfect Resume: Telling Your Unique Story	19:00	22:00	Online Zoom	
FRI	4 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	5 Sep-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	6 Sep-26						
MON	7 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
TUE	8 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
WED	9 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
THU	10 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
FRI	11 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
SAT	12 Sep-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	13 Sep-26						
MON	14 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
TUE	15 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
WED	16 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
THU	17 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
FRI	18 Sep-26		Cloud Certification Self-Study	19:00	22:00	Self study	
SAT	19 Sep-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	20 Sep-26						
CE3: DevSecOps Essentials & System Monitoring Strategies			Key Topics: Week 1: Introduction to DevSecOps Week 2 and 3: Container Orchestration with ECS Week 4: Container Orchestration with EKS Week 5: Monitoring and Logging for Containers Week 6: Package Manager for Containers Week 7: Continuous Integration & Continuous Deployment Week 8: Architecture & Tool Review Week 9 and 10: Project Creation				
MON	21 Sep-26	3.1	Introduction to DevSecOps	19:00	22:00	Online Zoom	
TUE	22 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	23 Sep-26	3.2	DevSecOps and Workflow	19:00	22:00	Online Zoom	
THU	24 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	25 Sep-26						
SAT	26 Sep-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	27 Sep-26						
MON	28 Sep-26	3.3	Introduction to Container	19:00	22:00	Online Zoom	
TUE	29 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	30 Sep-26	3.4	Container Orchestration with ECS Part 1	19:00	22:00	Online Zoom	
THU	1 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	2 Oct-26						
SAT	3 Oct-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	4 Oct-26						
MON	5 Oct-26	3.5	Container Orchestration with ECS Part 2	19:00	22:00	Online Zoom	
TUE	6 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	7 Oct-26	3.6	Package Vulnerability Scanning	19:00	22:00	Online Zoom	
THU	8 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	9 Oct-26						
SAT	10 Oct-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SUN	11 Oct-26						
MON	12 Oct-26	3.7	Container Orchestration with EKS Part 2	19:00	22:00	Online Zoom	
TUE	13 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	14 Oct-26	3.8	Container Orchestration with EKS Part 2	19:00	22:00	Online Zoom	
THU	15 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
FRI	16 Oct-26						
SAT	17 Oct-26	CO	Technical Coaching	10:00	13:00	NTU@One-north	
SAT	17 Oct-26	CW	Career Workshop #5 - Ace the Interview and Beyond: From Preparation to Next Steps	14:00	17:00	NTU@One-north	
SUN	18 Oct-26						
MON	19 Oct-26	3.9	Monitoring for Container	19:00	22:00	Online Zoom	
TUE	20 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	21 Oct-26	3.10	Logging for Container	19:00	22:00	Online Zoom	

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THU	22 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	23 Oct-26					
SAT	24 Oct-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	25 Oct-26					
MON	26 Oct-26	3.11	Package Manager for Container 1	19:00	22:00	Online Zoom
TUE	27 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	28 Oct-26	3.12	Package Manager for Container 2	19:00	22:00	Online Zoom
THU	29 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	30 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	31 Oct-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	1 Nov-26					
MON	2 Nov-26	3.13	CICD for Container 1	19:00	22:00	Online Zoom
TUE	3 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
WED	4 Nov-26	3.14	CICD for Container 2	19:00	22:00	Online Zoom
THU	5 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	6 Nov-26					
SAT	7 Nov-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	8 Nov-26	PH	Deepavali			
MON	9 Nov-26	PH	Deepavali Public Holiday			
TUE	10 Nov-26	3.15	Architecture & Tool Review	19:00	22:00	Online Zoom
WED	11 Nov-26	3.16	Case Study & Capstone Prep	19:00	22:00	Online Zoom
THU	12 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
FRI	13 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study
SAT	14 Nov-26	CO	Technical Coaching	10:00	13:00	NTU@One-north
SUN	15 Nov-26					
MON	16 Nov-26		Project	19:00	22:00	Self study
TUE	17 Nov-26		Project	19:00	22:00	Self study
WED	18 Nov-26		Project	19:00	22:00	Self study
THU	19 Nov-26		Project	19:00	22:00	Self study
FRI	20 Nov-26		Project	19:00	22:00	Self study
SAT	21 Nov-26		Project	10:00	13:00	Self study
SUN	22 Nov-26					
MON	23 Nov-26		Project	19:00	22:00	Self study
TUE	24 Nov-26		Project	19:00	22:00	Self study
WED	25 Nov-26		Project	19:00	22:00	Self study
THU	26 Nov-26		Project	19:00	22:00	Self study
FRI	27 Nov-26		Project	19:00	22:00	Self study
SAT	28 Nov-26	PP	**Presentation**	10:00	13:00	NTU@One-north
SUN	29 Nov-26					

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