

Cloud Service Provider Disclosure (SS 584:2020 MTCS)

The form is to be completed for each cloud service provided. For questions not applicable or not disclosed, indicate accordingly in the remarks.

Date of disclosure: 13 April 2023

Applicable cloud service(s): IAAS, PAAS, BAAS

Cloud Service Provider Contact Information

Company name: Fujitsu Asia Pte Ltd

Primary address: Nexus @OneNorth
1 Fusionopolis Link #4-01 (North Tower)
Singapore 138542

Web address: www.fujitsu.com/sg

Contact name: Mohana Raj Silver Raja

Contact number: +65 9009 7629 Contact email: mohan.silverraja@fujitsu.com

MTCS certificate number: MTCS-2017-0010



Company stamp: _____ Company representative signature: Mohana Raj

Certification Body Contact Information

Company name: TÜV SÜD PSB Pte Ltd

Web address: https://www.tuvsud.com/en-sg

Contact name: Jerald H. De La Rosa

Contact number: +65 8858 8627 Contact email: Jerald.DELAROSA@tuvsud.com

Company stamp: _____ Lead auditor signature: _____

Cloud Service Provider Background

Overview of service offering:

Fujitsu Local Cloud Platform is a comprehensive, evolving cloud computing provided by Fujitsu Asia that includes
a mixture of infrastructure-as-a-service (IAAS), platform-as-a-service (PAAS) and backup-as-a-service
(BAAS).

Service model:

☒ Virtual machine instances owned by the cloud service customer

☐ Network facilities

☒ Compliance with applicable standards

Deployment model:

☒ Private cloud

☐ Community cloud

☐ Hybrid cloud

☐ Public cloud

Tier:

☒ Level 1

☐ Level 2

☐ Level 3

| No. | Criteria | Description | Remarks |
|----------------------|----------------|---|---------|
| Legal and Compliance | | | |
| 1. | Right to audit | <p>The cloud service customer has the right to audit:</p> <p><input checked="" type="checkbox"/> Virtual machine instances owned by the cloud service customer</p> <p><input type="checkbox"/> Network facilities</p> <p><input checked="" type="checkbox"/> Compliance with applicable standards</p> <p><input type="checkbox"/> Technical controls</p> <p><input type="checkbox"/> Policies and governance</p> <p><input type="checkbox"/> Data centre facilities</p> <p><input checked="" type="checkbox"/> Others <u>ISAE report will be sent to customers</u></p> <p><input type="checkbox"/> None</p> <p>Regulators recognised by Singapore law have the right to audit:</p> <p><input checked="" type="checkbox"/> Virtual machine instances owned by the cloud service customer</p> <p><input checked="" type="checkbox"/> Network facilities</p> <p><input checked="" type="checkbox"/> Compliance with applicable standards</p> <p><input checked="" type="checkbox"/> Technical controls</p> <p><input checked="" type="checkbox"/> Policies and governance</p> <p><input checked="" type="checkbox"/> Data centre facilities</p> <p><input type="checkbox"/> Others _____</p> | |

| | | | |
|--------------|----------------|---|--|
| | | <input type="checkbox"/> None Audit / assessment reports that can be made available on request: <input checked="" type="checkbox"/> Penetration test <input type="checkbox"/> Threat and vulnerability risk assessment <input checked="" type="checkbox"/> Vulnerability scan <input checked="" type="checkbox"/> Audit reports (e.g. Statement on Standards for Attestation Engagements (SSAE) No. 16, Reporting on Controls at a Service Organisation) | |
| 2. | Compliance | The following guidelines / standards / regulations are adhered to: <input checked="" type="checkbox"/> Singapore Personal Data Protection Act <input checked="" type="checkbox"/> ISO/IEC 27001 <input checked="" type="checkbox"/> ISO 9000 <input type="checkbox"/> ISO/IEC 20000 <input type="checkbox"/> CSA Open Certification Framework <input type="checkbox"/> PCI-DSS <input checked="" type="checkbox"/> Others <u>ISAE3402</u> | |
| Data Control | | | |
| 3. | Data ownership | All data on the cloud service is owned by the cloud service customer except for: <u>Configuration files and log data related to cloud infrastructure platform.</u> The cloud service customer retains the ownership on the derived data or attributes of cloud usage except for the following: <input type="checkbox"/> Advertising or marketing <input checked="" type="checkbox"/> Statistics analysis on usage <input type="checkbox"/> Others _____ | |
| 4. | Data retention | Data deleted by the cloud service customer is retained as follows: <input checked="" type="checkbox"/> Minimum data retention period is: <u>30 days</u> <input checked="" type="checkbox"/> Maximum data retention period is: <u>1 year.</u> <input type="checkbox"/> Deleted immediately Log data is retained for a period of: <input checked="" type="checkbox"/> Minimum data retention period as follows: <u>30 days.</u> | 30 days snapshot retention. If required, will need to restore VM for data retrieval. Option to restore VM state for 1 year. 30 days snapshot retention. If required, will need to restore VM for data retrieval. |

| | | | |
|----|------------------|---|--|
| | | <input checked="" type="checkbox"/> Maximum data retention period is: <u>1 year.</u> <input type="checkbox"/> Not retained Cloud service customer data is retained for a period of: <input type="checkbox"/> Minimum data retention period is: _____ <input type="checkbox"/> Maximum data retention period is: _____ <input type="checkbox"/> Not retained The following types of data are available for download by the cloud service customer: <input type="checkbox"/> Log data <input type="checkbox"/> Others _____ | Option to restore VM state for 1 year. |
| 5. | Data sovereignty | The primary data locations are: <input checked="" type="checkbox"/> Singapore <input type="checkbox"/> Asia Pacific _____ <input type="checkbox"/> Europe _____ <input type="checkbox"/> United States <input type="checkbox"/> Others _____ The backup data locations are: <input checked="" type="checkbox"/> Singapore <input type="checkbox"/> Asia Pacific _____ <input type="checkbox"/> Europe _____ <input type="checkbox"/> United States <input type="checkbox"/> Others _____ No. of countries in which data centres are operated: <u>1</u> The cloud service customer's data stored in the cloud environment will never leave the locations specified in item 5: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes, except as required by law <input type="checkbox"/> Yes, except as noted: _____ | |

| | | | |
|----------------------|----------------------------------|---|--|
| | | <input type="checkbox"/> No Cloud service customer's consent is required prior to transferring data to a location not specified in item 5 or a third party: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes, except as required by law <input type="checkbox"/> Yes, except as noted: _____ <input type="checkbox"/> No <i>Note: Cloud service customers are responsible for determining the impact of data protection and data sovereignty laws on the locations where data is stored. In addition, cloud service customers should understand the risks associated with relevant laws that may allow for law enforcement or other government access to data in-transit or storage with Cloud Service Providers.</i> | |
| 6. | Non-disclosure | <input checked="" type="checkbox"/> Non-disclosure agreement template can be provided by Cloud Service Provider <input checked="" type="checkbox"/> Cloud Service Provider may use customer's NDA (pending legal review) | |
| Provider Performance | | | |
| 7. | Availability | The committed network uptime is: <input type="checkbox"/> _____ % <input type="checkbox"/> Varies according to price plan The committed system uptime is: <input checked="" type="checkbox"/> _____ 99.5 % <input checked="" type="checkbox"/> Varies according to price plan The cloud environment has the following single points of failure: <input type="checkbox"/> _____ <input checked="" type="checkbox"/> none | |
| 8. | 3 rd party dependency | Highlight areas of critical dependency for service delivery: Not applicable since necessary N+1 redundancy is in place _____ _____ | |
| 9. | BCP / DR | <input checked="" type="checkbox"/> Disaster recovery protection | |

| | | | |
|-----------------|-----------------------|--|---|
| | | <input checked="" type="checkbox"/> Backup and restore service <input checked="" type="checkbox"/> Cloud service customer selectable backup plans <input type="checkbox"/> Escrow arrangements <input type="checkbox"/> No BCP / DR is available <input checked="" type="checkbox"/> RPO <u>24 hours</u> <input checked="" type="checkbox"/> RTO <u>48 hours</u> <input type="checkbox"/> Others, please specify: _____ _____ | |
| 10. | Liability | <p>The following terms are available for the cloud service customers on failure of the provider to meet the service commitment:</p> <input type="checkbox"/> Network failure Liability: _____ <input type="checkbox"/> Infrastructure failure Liability: _____ <input type="checkbox"/> Virtual machine instance failure Liability: _____ <input type="checkbox"/> Migrations Liability: _____ <input type="checkbox"/> Unscheduled downtime Liability: _____ <input type="checkbox"/> Database failure Liability: _____ <input type="checkbox"/> Monitoring failure Liability: _____ | Service credits will be based on service schedule/SLA agreed. |
| 11. | Shared responsibility | <input type="checkbox"/> Communication of shared roles & responsibilities for which CSC needs to implement and manage for use of this cloud service URL (or attach file): _____ | Shared roles & responsibility will be agreed upon |
| Service Support | | | |
| 12. | Change management | The Cloud Service Provider has established the following for changes, migrations, downtime, and other potential interruptions to cloud services: | |

| | | | |
|-----|---|---|--|
| | | <input checked="" type="checkbox"/> Communication plan and procedures for proactive notification <input checked="" type="checkbox"/> Assistance in migration to new services when legacy solutions are discontinued <input checked="" type="checkbox"/> Ability to remain on old versions for a defined time period <input checked="" type="checkbox"/> Ability to choose timing of impact | |
| 13. | Self-service provisioning and management portal | <p>Provide self-service provisioning and management portal for cloud service customers to manage cloud services:</p> <p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> No</p> <p>If yes, describe the functions of the self-service provisioning and management portal provided:</p> <p><input type="checkbox"/> Allow role-based access control (RBAC)</p> <p><input type="checkbox"/> Manage resource pools (e.g. VMs, storage, and network) and service templates</p> <p><input type="checkbox"/> Track and manage the lifecycle of each service</p> <p><input type="checkbox"/> Track consumption of services</p> <p><input type="checkbox"/> Health monitoring</p> <p><input type="checkbox"/> Others: _____</p> <p>_____</p> | |
| 14. | Incident and problem management | <p>Delivery mode of support:</p> <p><input checked="" type="checkbox"/> Access via email</p> <p><input checked="" type="checkbox"/> Access via portal</p> <p><input checked="" type="checkbox"/> Access via phone support</p> <p><input type="checkbox"/> Direct access to support engineers</p> <p>Availability of support:</p> <p><input checked="" type="checkbox"/> 24 x 7</p> <p><input type="checkbox"/> During office hours support, please specify the hours of operations: _____</p> <p><input type="checkbox"/> After office hours support, please specify the hours of operations: _____</p> <p>Service response time: <u>Critical -1 hr, Major - 2 hrs, Minor - within 1 working day.</u></p> | |

| | | | |
|-----|------------------|--|--|
| | | <p>Notification time of cloud service outage incident: _____</p> <p>Communication channel used for notification of cloud service outage incident: <u>SMS and email notification</u></p> <p>The following are available to cloud service customers upon request:</p> <p><input type="checkbox"/> Permanent access to audit records of customer instances</p> <p><input type="checkbox"/> Incident management assistance</p> <p>Incident response time: <u>Critical -1 hr, Major - 2 hrs, Minor - within 1 working day</u></p> <p>Mean time to repair on detection of faults: <u>P1- 4 hours, P2 - 8 hours, P3 - 3 business days</u></p> | |
| 15. | Billing | <p>The following billing modes are available (please elaborate granularity of charges and measurement):</p> <p><input type="checkbox"/> Pay per usage _____ (up to per min/hour/day/month for compute/storage for IaaS/PaaS, and per cloud service customer per hour/day/month/year for SaaS)</p> <p><input checked="" type="checkbox"/> Fixed pricing <u>monthly</u> (up to yearly/monthly/daily)</p> <p><input type="checkbox"/> Other pricing model _____</p> <p><input type="checkbox"/> Not disclosed</p> <p><input type="checkbox"/> Available billing history: _____ months</p> | |
| 16. | Data portability | <p>Importable VM formats: <u>OVA or OVF</u></p> <p>Downloadable formats: <u>JSON/XML/other open formats (to specify)</u></p> <p>Supported operating systems: <u>Windows & Linux</u></p> <p>Language versions of supported operating systems: <u>English</u></p> <p>Supported database formats: <u>MSSQL, Oracle, SAP HANA</u></p> <p>Policy/guide available: _____</p> <p>API:</p> <p><input type="checkbox"/> Common _____</p> <p><input type="checkbox"/> Customised _____</p> <p>Upon service termination or prolonged outage, data is available through:</p> | |

| | | | |
|-----|------------------|--|--------------|
| | | <input checked="" type="checkbox"/> Physical media <input type="checkbox"/> Standard methods as described above <input type="checkbox"/> Other methods _____ _____ | |
| 17. | Interoperability | Use of industry standards and availability of APIs to support interoperability: <input type="checkbox"/> Transport supported (e.g. REST based HTTPS/MQTT) _____ <input type="checkbox"/> Format supported (e.g. JSON/XML) _____ <input type="checkbox"/> APIs supported _____ <input type="checkbox"/> Other methods _____ _____ Guide available _____ | Not enabled. |
| 18. | Access | Type of access to the service is through: <input type="checkbox"/> Public access <input checked="" type="checkbox"/> Private access (e.g. VPN, dedicated link) <input type="checkbox"/> IPv6 access is supported <input type="checkbox"/> Other access methods _____ _____ _____ Public access speed (shared bandwidth) in Mbps: _____ | |
| 19. | User management | <input type="checkbox"/> Identity management <input checked="" type="checkbox"/> Role based access control <input type="checkbox"/> Federated access model <input type="checkbox"/> Integration with Identity management solutions <input type="checkbox"/> Others _____ | |
| 20. | Lifecycle | The cloud service customer may select the following for service upgrades and changes: <input type="checkbox"/> Automatic provisioning <input checked="" type="checkbox"/> Cloud service customer customisable provisioning | |

| Security Configurations | | | |
|-------------------------|---|---|----------------------------------|
| 21. | Security configuration enforcement checks | <p>Security configuration enforcement checks are performed:</p> <p><input checked="" type="checkbox"/> Manually</p> <p><input type="checkbox"/> Using automated tools</p> <p>How often are enforcement checks being performed to ensure all security configurations are applied?</p> <p>_____</p> | |
| 22. | Multi-tenancy | <p><input checked="" type="checkbox"/> Distinct physical hosts</p> <p><input type="checkbox"/> Distinct physical network infrastructure</p> <p><input checked="" type="checkbox"/> Virtual instance grouping</p> <p><input checked="" type="checkbox"/> Cloud service customer definable security domains</p> <p><input checked="" type="checkbox"/> Cloud service customer customisable firewall</p> <p><input checked="" type="checkbox"/> Cloud service customer definable access policies</p> | |
| 23. | Hybrid cloud provision | <p>Ability to monitor, track, apply and enforce CSC's security & privacy policies on its cloud workloads:</p> <p><input type="checkbox"/> Data protection and encryption key mgmt. enforcement geolocation-based/resource pools and secure migration of cloud workloads</p> <p><input type="checkbox"/> Key mgmt. and keystore controlled by CSC</p> <p><input type="checkbox"/> Persistent data flow segmentation before and after geolocation-based/resource pools secure migration</p> <p><input type="checkbox"/> Compliance enforcement for regulated workloads between on-premises private and hybrid/public cloud</p> <p><input type="checkbox"/> Others _____</p> | Not applicable for Hybrid Cloud. |
| Service Elasticity | | | |
| 24. | Capacity elasticity | <p>The following capacity elasticity options are available:</p> <p><input type="checkbox"/> Programmatic interface to scale up or down</p> <p><input type="checkbox"/> Mean time to start and end new virtual instances _____</p> <p><input checked="" type="checkbox"/> Alerts to be sent for unusual high usage</p> <p><input type="checkbox"/> Minimum performance during peak periods _____</p> <p><input type="checkbox"/> Minimum duration to scale up computing resources _____</p> <p><input type="checkbox"/> Minimum additional capacity guaranteed per account</p> | |

| | | | |
|-----|-----------------------------------|---|--|
| | | _____ (number of cores and GB memory) | |
| 25. | Network resiliency and elasticity | <p>The following network resiliency and elasticity options are available:</p> <p><input checked="" type="checkbox"/> Redundant Internet connectivity links</p> <p><input checked="" type="checkbox"/> Redundant Internal connectivity</p> <p><input type="checkbox"/> Selectable bandwidth up to _____ Mbps</p> <p><input type="checkbox"/> Maximum usable IPs _____</p> <p><input type="checkbox"/> Load balancing ports _____</p> <p><input type="checkbox"/> Load balancing protocols <u>BGP</u></p> <p><input checked="" type="checkbox"/> Anti-DDOS protection systems or services</p> <p><input type="checkbox"/> Defence-in-depth mechanisms, please specify: _____</p> <p>_____</p> <p><input checked="" type="checkbox"/> Network traffic isolation, please specify: _____</p> <p><u>logical isolaton for each customer</u></p> <p><input checked="" type="checkbox"/> Shared or dedicated bandwidth, please specify: _____</p> <p><u>bandwidth throttled based on customer requirement</u></p> <p><input type="checkbox"/> QoS traffic control services</p> <p><input checked="" type="checkbox"/> Alerts to be sent for unusual high usage</p> <p><input type="checkbox"/> Minimum performance during peak periods _____</p> <p><input type="checkbox"/> Minimum period to scale up network throughput _____</p> | |
| 26. | Storage redundancy and elasticity | <p>The following storage redundancy and elasticity options are available:</p> <p><input checked="" type="checkbox"/> Redundant storage connectivity links within each data centre</p> <p><input checked="" type="checkbox"/> Redundant storage connectivity links between data centres belonging to the same cloud</p> <p><input type="checkbox"/> Storage traffic isolation, please specify: _____</p> <p>_____</p> <p><input checked="" type="checkbox"/> Shared or dedicated storage network bandwidth, please specify: <u>Shared 10gb with redundancy</u></p> <p><input checked="" type="checkbox"/> Quality of service storage traffic control services</p> <p><input type="checkbox"/> Maximum storage capacity for entire cloud, please specify: _____</p> <p>_____</p> | |

| | | | |
|--|--|---|--|
| | | <div><input type="checkbox"/> Maximum storage capacity for single cloud service customer, please specify: <div></div></div> <div><input type="checkbox"/> Maximum expandable storage, please specify: <div></div></div> <div><input checked="" type="checkbox"/> Alerts to be sent for unusual high usage</div> <div><input type="checkbox"/> Minimum storage I / O performance during peak periods <div></div></div> <div><input type="checkbox"/> Minimum period to scale up storage I / O throughput <div></div></div> | |
|--|--|---|--|