

## **HKBN Enterprise Solutions Cloud Services Limited**

### **I. Service Category (C) Cloud IT Services**

**Table 3a: Cloud IT Services Items (Service items passing all General, Security and Technical Requirements)**

Item Number	Item Description	Manufacturer
C00001	iCare Disaster Recovery (DR) for PC aaS	Druva
C00002	iCare Disaster Recovery (DR) for Server aaS	Druva

**Table 3b: Cloud IT Services Items (Other service items proposed)**

Item Number	Item Description	Manufacturer
C00003	Druva inSync Platform	Druva
C00004	Druva inSync Share	Druva
C00005	Druva inSync DLP	Druva
C00006	Druva inSync Analytics	Druva
C00007	Imperva Cloud Enterprise 10 Annual Subscription Service - up to 10Mbps (after inspection), 1 website included - 1Gbps DDOS Protection - CDN capability included - Imperva managed service included (INCP-MGS-1W-CLD) - half day skill transfer included	Imperva Incapsula
C00008	Imperva Cloud Enterprise 20 Annual Subscription Service - up to 20Mbps (after inspection), 1 website included - 1Gbps DDOS Protection - CDN capability included - Imperva managed service included (INCP-MGS-1W-CLD) - half day skill transfer included	Imperva Incapsula
C00009	Imperva Cloud Enterprise 50 Annual Subscription Service - up to 50Mbps (after inspection), 1 website included - 1Gbps DDOS Protection - CDN capability included - Imperva managed service included (INCP-MGS-1W-CLD)	Imperva Incapsula

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
	- half day skill transfer included	
C00010	Imperva Cloud Enterprise 100 Annual Subscription Service - up to 100Mbps (after inspection), 1 website included - 1Gbps DDOS Protection - CDN capability included - Imperva managed service included (INCP-MGS-1W-CLD) - half day skill transfer included	Imperva Incapsula
C00011	Add-on: 1 Additional Website Protection - Imperva managed service included (INCP-MGS-1W-CLD)	Imperva Incapsula
C00012	Add-on: Upgrade DDoS Protection to 4Gbps Subscription	Imperva Incapsula
C00013	Add-on: Upgrade DDoS Protection to 8Gbps Subscription	Imperva Incapsula
C00014	Add-on: Upgrade DDoS Protection to Unlimited Subscription	Imperva Incapsula
C00015	Add-on: Additional Bandwidth (after inspection), Per 100 Mbps	Imperva Incapsula
C00016	Local 24x7 Annual Support Service	Imperva Incapsula
C00017	Amazon Web Services (AWS) Mobile Device Farm	Amazon Web Services (AWS)
C00018	Server (EC2) t2.micro Linux	Amazon Web Services (AWS)
C00019	Server (EC2) t2.small Linux	Amazon Web Services (AWS)
C00020	Server (EC2) t2.medium Linux	Amazon Web Services (AWS)
C00021	Server (EC2) m3.mediumLinux	Amazon Web Services (AWS)
C00022	Server (EC2) m3.large Linux	Amazon Web Services (AWS)
C00023	Server (EC2) m3.xlarge Linux	Amazon Web Services (AWS)
C00024	Server (EC2) m3.2xlargeLinux	Amazon Web Services (AWS)
C00025	Server (EC2) t2.micro Linux	Amazon Web Services (AWS)
C00026	Server (EC2) t2.small Linux	Amazon Web Services (AWS)
C00027	Server (EC2) t2.medium Linux	Amazon Web Services (AWS)

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
C00028	Server (EC2) m3.medium Linux	Amazon Web Services (AWS)
C00029	Server (EC2) m3.large Linux	Amazon Web Services (AWS)
C00030	Server (EC2) m3.xlargeLinux	Amazon Web Services (AWS)
C00031	Server (EC2) m3.2xlarge Linux	Amazon Web Services (AWS)
C00032	Server (EC2) Data Transfer In: Data Transfer IN To Amazon EC2 From Amazon EC2, Amazon RDS, Amazon Redshift and Amazon ElastiCache instances or Elastic Network Interfaces in the same Availability Zone Using a public or Elastic IP address	Amazon Web Services (AWS)
C00033	Server (EC2) Data Transfer In: Data Transfer IN To Amazon EC2 From Amazon EC2, Amazon RDS, Amazon Redshift and Amazon ElastiCache instances or Elastic Network Interfaces in another Availability Zone or peered VPC in the same AWS Region	Amazon Web Services (AWS)
C00034	Server (EC2) Data Transfer Out: Data Transfer OUT From Amazon EC2 To Amazon EC2, Amazon RDS, Amazon Redshift or Amazon ElastiCache instances, Amazon Elastic Load Balancing, or Elastic Network Interfaces in the same Availability Zone Using a public or Elastic IP address	Amazon Web Services (AWS)
C00035	Server (EC2) Data Transfer Out: Data Transfer OUT From Amazon EC2 To Amazon EC2, Amazon RDS, Amazon Redshift or Amazon ElastiCache instances, Amazon Elastic Load Balancing, or Elastic Network Interfaces in another Availability Zone or peered VPC in the same AWS Region	Amazon Web Services (AWS)
C00036	Server (EC2) Data Transfer Out: Data Transfer OUT From Amazon EC2 To Another AWS Region	Amazon Web Services (AWS)
C00037	Server (EC2) Data Transfer Out: Data Transfer OUT From Amazon EC2 To Internet (Up to 10 TB / month)	Amazon Web Services (AWS)
C00038	Server (EC2) Data Transfer Out: Data Transfer OUT From Amazon EC2 To Internet (Next 40 TB / month)	Amazon Web Services (AWS)
C00039	Server (EC2) Storage (EBS) : Amazon EBS General Purpose (SSD) volumes	Amazon Web Services (AWS)

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
C00040	Server (EC2) Storage (EBS) : Amazon EBS Provisioned IOPS (SSD) volumes - 1	Amazon Web Services (AWS)
C00041	Server (EC2) Storage (EBS) : Amazon EBS Provisioned IOPS (SSD) volumes - 2	Amazon Web Services (AWS)
C00042	Server (EC2) Storage (EBS) : Amazon EBS Magnetic volumes - 1	Amazon Web Services (AWS)
C00043	Server (EC2) Storage (EBS) : Amazon EBS Magnetic volumes - 2	Amazon Web Services (AWS)
C00044	Server (EC2) Storage (EBS) : Amazon EBS Snapshots to Amazon S3	Amazon Web Services (AWS)
C00045	Storage (S3) Storage: Amazon S3 - First 1 TB / month	Amazon Web Services (AWS)
C00046	Storage (S3) Storage: Amazon S3 - Next 49 TB / month	Amazon Web Services (AWS)
C00047	Storage (S3) Request: Amazon S3 - PUT, COPY, POST, or LIST Requests	Amazon Web Services (AWS)
C00048	Storage (S3) Request: Amazon S3 - GET and all other Requests	Amazon Web Services (AWS)
C00049	Storage (S3) Data Transfer Out: Data Transfer OUT From Amazon S3 To Amazon EC2 in the same region	Amazon Web Services (AWS)
C00050	Storage (S3) Data Transfer Out: Data Transfer OUT From Amazon S3 To Internet (Up to 10 TB / month)	Amazon Web Services (AWS)
C00051	Server (EC2) Elastic IP Address: Elastic IP address associated with a running instance per hour on a pro rata basis	Amazon Web Services (AWS)
C00052	Server (EC2) Elastic IP Address: Elastic IP address not associated with a running instance	Amazon Web Services (AWS)
C00053	Server (EC2) Elastic IP Address: Elastic IP address remap for additional remaps	Amazon Web Services (AWS)
C00054	Monitoring (CloudWatch): Detailed Monitoring for Amazon EC2 Instances	Amazon Web Services (AWS)
C00055	Monitoring (CloudWatch): Amazon CloudWatch Custom Metrics	Amazon Web Services (AWS)
C00056	Monitoring (CloudWatch): Amazon CloudWatch Alarms	Amazon Web Services (AWS)
C00057	Monitoring (CloudWatch): Amazon CloudWatch API Requests	Amazon Web Services (AWS)
C00058	Server (EC2) Elastic Load Balancing: Elastic Load Balancer-hour	Amazon Web Services (AWS)
C00059	Server (EC2) Elastic Load Balancing: Elastic Load Balancer-per GB of data processed	Amazon Web Services (AWS)
C00060	DNS (Route 53): Hosted zone / month for the first 25 hosted zones	Amazon Web Services (AWS)

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
C00061	DNS (Route 53): Hosted zone / month for additional hosted zones	Amazon Web Services (AWS)
C00062	DNS (Route 53): Standard Queries	Amazon Web Services (AWS)
C00063	DNS (Route 53): Latency Based Routing Queries	Amazon Web Services (AWS)
C00064	DNS (Route 53): Geo DNS Queries	Amazon Web Services (AWS)
C00065	DNS (Route 53): Basic Health Checks - AWS endpoints	Amazon Web Services (AWS)
C00066	DNS (Route 53): Basic Health Checks - Non-AWS endpoints	Amazon Web Services (AWS)
C00067	DNS (Route 53): HTTPS, String Matching, or Fast Interval options - AWS endpoints	Amazon Web Services (AWS)
C00068	DNS (Route 53): HTTPS, String Matching, or Fast Interval options - Non-AWS endpoints	Amazon Web Services (AWS)
C00069	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - United States	Amazon Web Services (AWS)
C00070	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - Europe	Amazon Web Services (AWS)
C00071	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - Hong Kong, Philippines, S. Korea, Singapore & Taiwan	Amazon Web Services (AWS)
C00072	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - Japan	Amazon Web Services (AWS)
C00073	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - South America	Amazon Web Services (AWS)
C00074	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - Australia	Amazon Web Services (AWS)
C00075	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Internet (per GB) - India	Amazon Web Services (AWS)
C00076	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Origin (per GB) - United States	Amazon Web Services (AWS)
C00077	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Origin (per GB) - Europe	Amazon Web Services (AWS)
C00078	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Origin (per GB) - Hong Kong, Philippines, S. Korea, Singapore & Taiwan	Amazon Web Services (AWS)
C00079	CDN (CloudFront) Data Transfer Out: Regional	Amazon Web

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
	Data Transfer Out to Origin (per GB) - Japan	Services (AWS)
C00080	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Origin (per GB) - South America	Amazon Web Services (AWS)
C00081	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Origin (per GB) - Australia	Amazon Web Services (AWS)
C00082	CDN (CloudFront) Data Transfer Out: Regional Data Transfer Out to Origin (per GB) - India	Amazon Web Services (AWS)
C00083	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - United States	Amazon Web Services (AWS)
C00084	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - Europe	Amazon Web Services (AWS)
C00085	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - Hong Kong, Philippines, S. Korea, Singapore & Taiwan	Amazon Web Services (AWS)
C00086	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - Japan	Amazon Web Services (AWS)
C00087	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - South America	Amazon Web Services (AWS)
C00088	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - Australia	Amazon Web Services (AWS)
C00089	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTP requests (per 10,000) - India	Amazon Web Services (AWS)
C00090	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000) - United States	Amazon Web Services (AWS)
C00091	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000) - Europe	Amazon Web Services (AWS)
C00092	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000) - Hong Kong, Philippines, S. Korea, Singapore & Taiwan	Amazon Web Services (AWS)
C00093	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000) - Japan	Amazon Web Services (AWS)
C00094	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000)	Amazon Web Services (AWS)

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
	- South America	
C00095	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000) - Australia	Amazon Web Services (AWS)
C00096	CDN (CloudFront) HTTP/HTTPS Request: Request Pricing for HTTPS requests (per 10,000) - India	Amazon Web Services (AWS)
C00097	Database (RDS) MySQL: db.m1.medium - Single AZ	Amazon Web Services (AWS)
C00098	Database (RDS) MySQL: db.m1.large - Single AZ	Amazon Web Services (AWS)
C00099	Database (RDS) MySQL: db.m1.xlarge - Single AZ	Amazon Web Services (AWS)
C00100	Database (RDS) MySQL: db.m1.medium - Multi-AZ	Amazon Web Services (AWS)
C00101	Database (RDS) MySQL: db.m1.large - Multi-AZ	Amazon Web Services (AWS)
C00102	Database (RDS) MySQL: db.m1.xlarge - Multi-AZ	Amazon Web Services (AWS)
C00103	Database (RDS) MySQL: db.m3.medium - Single AZ	Amazon Web Services (AWS)
C00104	Database (RDS) MySQL: db.m3.large - Single AZ	Amazon Web Services (AWS)
C00105	Database (RDS) MySQL: db.m3.xlarge - Single AZ	Amazon Web Services (AWS)
C00106	Database (RDS) MySQL: db.m3.medium - Multi-AZ	Amazon Web Services (AWS)
C00107	Database (RDS) MySQL: db.m3.large - Multi-AZ	Amazon Web Services (AWS)
C00108	Database (RDS) MySQL: db.m3.xlarge - Multi-AZ	Amazon Web Services (AWS)
C00109	Database (RDS) Storage: General Purpose (SSD) Storage - Single AZ	Amazon Web Services (AWS)
C00110	Database (RDS) Storage: General Purpose (SSD) Storage - Multi-AZ	Amazon Web Services (AWS)
C00111	Database (RDS) Storage: Provisioned IOPS (SSD) Storage - Single AZ Storage Rate	Amazon Web Services (AWS)
C00112	Database (RDS) Storage: Provisioned IOPS (SSD) Storage - Single AZ Provisioned IOPS Rate	Amazon Web Services (AWS)
C00113	Database (RDS) Storage: Provisioned IOPS (SSD) Storage - Multi-AZ Storage Rate	Amazon Web Services (AWS)
C00114	Database (RDS) Storage: Provisioned IOPS (SSD) Storage - Multi-AZ Provisioned IOPS Rate	Amazon Web Services (AWS)

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
C00115	Database (RDS) Storage: Magnetic Storage - Single AZ Storage Rate	Amazon Web Services (AWS)
C00116	Database (RDS) Storage: Magnetic Storage - Single AZ I/O Rate	Amazon Web Services (AWS)
C00117	Database (RDS) Storage: Magnetic Storage - Multi-AZ Storage Rate	Amazon Web Services (AWS)
C00118	Database (RDS) Storage: Magnetic Storage - Multi-AZ I/O Rate	Amazon Web Services (AWS)
C00119	Database (RDS) Storage: Backup Storage after the DB Instance is terminated	Amazon Web Services (AWS)
C00120	Database (RDS) Storage: Additional Backup Storage	Amazon Web Services (AWS)
C00121	Database (RDS) Data Transfer Out: Data Transfer OUT From Amazon RDS To Another AWS Region	Amazon Web Services (AWS)
C00122	Database (RDS) Data Transfer Out: Data Transfer OUT From Amazon RDS To Internet (Up to 10 TB / month)	Amazon Web Services (AWS)
C00123	VPC: VPN Connection Pricing (Not include Toyko)	Amazon Web Services (AWS)
C00124	IPS: Trend Micro Deep Security	Amazon Web Services (AWS)
C00125	IPS: AWS Resources (EC2.m3.large)	Amazon Web Services (AWS)
C00126	WAF: AVM150 Management Server for Amazon Web Services Virtual Appliance	Amazon Web Services (AWS)
C00127	WAF: AV2500 Web Application Firewall for Amazon Web Services Virtual Appliance	Amazon Web Services (AWS)
C00128	WAF: AWS Resources (EC2.m3.xlarge)	Amazon Web Services (AWS)
C00129	DynamoDB Provisioned Throughput Capacity: Write Throughput per hour for every 10 units of Write Capacity (enough capacity to do up to 36,000 writes per hour)	Amazon Web Services (AWS)
C00130	DynamoDB Provisioned Throughput Capacity: Read Throughput per hour for every 50 units of Read Capacity (enough capacity to do up to 180,000 strongly consistent reads, or 360,000 eventually consistent reads, per hour)	Amazon Web Services (AWS)
C00131	DynamoDB: Indexed Data Storage	Amazon Web Services (AWS)
C00132	CodeCommit: AWS CodeCommit Service	Amazon Web Services (AWS)
C00133	SQS: AWS Simple Queue Service	Amazon Web Services (AWS)



<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
C00134	Server (EC2) Windows t2.micro: On-demand	Amazon Web Services (AWS)
C00135	Server (EC2) Windows t2.micro: 1 Year - All Upfront	Amazon Web Services (AWS)
C00136	Database (RDS) MySQL: db.t2.small - Single AZ	Amazon Web Services (AWS)
C00137	SES AWS Simple Email Service	Amazon Web Services (AWS)
C00138	Server (EC2) Windows m3.xlarge	Amazon Web Services (AWS)
C00139	Server (EC2) Windows m3.xlarge	Amazon Web Services (AWS)
C00140	Server (EC2) Windows t2.medium	Amazon Web Services (AWS)
C00141	Server (EC2) Windows t2.medium	Amazon Web Services (AWS)
C00142	Server (EC2) Windows t2.small	Amazon Web Services (AWS)
C00143	Server (EC2) Windows t2.small	Amazon Web Services (AWS)
C00144	Database (RDS) MySQL: db.t2.small - multiple AZ	Amazon Web Services (AWS)
C00145	Database (RDS) MySQL: db.m4.xlarge - single AZ	Amazon Web Services (AWS)
C00146	DynamoDB Data Transfer Out: Data Transfer OUT From Amazon RDS To Internet (Up to 10 TB / month)	Amazon Web Services (AWS)
C00147	SES Data Transfer Out: Data Transfer OUT From Amazon SES To Internet (Up to 10 TB / month)	Amazon Web Services (AWS)
C00148	VPC VPN Data Transfer Out: Data Transfer OUT From Amazon SES To Internet (Up to 10 TB / month)	Amazon Web Services (AWS)
C00149	Server (EC2) Windows M4.large	Amazon Web Services (AWS)
C00150	SNS Mobile Push Notifications	Amazon Web Services (AWS)
C00151	SNS email/email-JSON	Amazon Web Services (AWS)
C00152	SNS HTTP/s	Amazon Web Services (AWS)
C00154	Cloud Academy - Enterprise License	Cloud Academy
C00155	Cloud Academy - Admin License	Cloud Academy

Item Number	Item Description	Manufacturer
C00156	<p>Azure Virtual Machines (A, B, D, E, F, M Series)</p> <p>Azure Virtual Machines gives you the flexibility of virtualization for a wide range of computing solutions with support for Linux, Windows Server, SQL Server, Oracle, IBM, SAP, and more. All current generation Virtual Machines include load balancing and auto-scaling at no cost. For optimal performance, we recommend pairing your Virtual Machines with Managed Disks. Standard egress charges apply.</p>	Microsoft
C00157	<p>Queue Storage</p> <p>Queues provide a reliable messaging solution for your apps, and are generally used to store messages to be processed asynchronously. Queue messages can be up to 64 KB in size and can contain millions of messages.</p>	Microsoft
C00158	<p>Azure Databricks</p> <p>Accelerate big data analytics and artificial intelligence (AI) solutions with Azure Databricks, a fast, easy and collaborative Apache Spark-based analytics service.</p>	Microsoft
C00159	<p>SQL Server on Virtual Machines</p> <p>It easily migrate your SQL Server workloads to the cloud that work with any SQL Server version and edition on any virtual machine size, on Windows and Linux, employ virtual machines that are tuned for exceptional performance by the team that builds SQL Server and pay per minute, or bring your own licenses.</p>	Microsoft
C00160	<p>SQL Database</p> <p>Azure SQL Database is the intelligent, fully managed relational cloud database service that provides the broadest SQL Server engine compatibility.</p>	Microsoft
C00161	<p>Azure Cosmos DB</p> <p>Azure Cosmos DB was built from the ground up with global distribution and horizontal scale at its core. It offers turnkey global distribution across any number of Azure regions by transparently scaling and replicating your data wherever your users are.</p>	Microsoft

Item Number	Item Description	Manufacturer
C00162	SQL Data Warehouse Fast, flexible, and secure cloud data warehouse for enterprises	Microsoft
C00163	Azure Cache for Redis Fully managed, open source-compatible in-memory data store to power fast, scalable applications.	Microsoft
C00164	Azure Database for MySQL Azure Database for MySQL provides fully managed, enterprise-ready community MySQL database as a service. The MySQL Community edition helps you easily lift and shift to the cloud, using languages and frameworks of your choice. On top of that, you get built-in high availability and dynamic scaling, helping you easily adjust to changes in customer demands.	Microsoft
C00165	API Management Use Azure API Management as a turnkey solution for publishing APIs to external and internal customers. Quickly create consistent and modern API gateways for existing back-end services hosted anywhere. Expose, publish, and manage microservices architectures as APIs. Better understand and optimize your APIs.	Microsoft
C00166	Azure Backup A cost-effective, one-click backup solution, Azure Backup simplifies data recovery and is easier to enable than other cloud backup services.	Microsoft
C00167	Azure Site Recovery Site Recovery is a native disaster recovery as a service (DRaaS), and Microsoft been recognized as a leader in DRaaS based on completeness of vision and ability to execute by Gartner in the 2018 Magic Quadrant for Disaster Recovery as a Service.	Microsoft
C00168	Automation It automates, configures, and installs updates across hybrid environments. Automation can control hybrid environments, integrate management systems using serverless runbooks and ensure consistent management for Windows and Linux	Microsoft

Item Number	Item Description	Manufacturer
C00169	<p>Traffic Manager</p> <p>Azure Traffic Manager operates at the DNS layer to quickly and efficiently direct incoming DNS requests based on the routing method of your choice. An example would be sending requests to the closest endpoints, improving the responsiveness of your applications.</p>	Microsoft
C00170	<p>Content Delivery Network</p> <p>In online content delivery, user experience is everything. Azure Content Delivery Network (CDN) lets you reduce load times, save bandwidth, and speed responsiveness—whether you’re developing or managing websites or mobile apps, or encoding and distributing streaming media, gaming software, firmware updates, or IoT endpoints.</p>	Microsoft
C00171	<p>Azure Pipelines</p> <p>Azure Pipelines helps you to continuously build, test, and deploy to any platform and cloud</p>	Microsoft
C00172	<p>Azure Active Directory</p> <p>Get the reliability and scalability you need with identity services that work with your on-premises, cloud, or hybrid environment.</p>	Microsoft
C00173	<p>Azure Active Directory Domain Services</p> <p>Use Azure Active Directory Domain Services to join Azure virtual machines to a domain, without having to deploy domain controllers. Sign in to the virtual machines using their corporate Azure Active Directory credentials and seamlessly access resources. Use Group Policy to more securely administer domain-joined virtual machines—a familiar way to apply and enforce security baselines on all of your Azure virtual machines.</p>	Microsoft
C00174	<p>Azure Active Directory B2C</p> <p>Azure Active Directory B2C is a cloud-based identity and access management solution for your consumer-facing web and mobile applications. It is a highly-available global service that scales to hundreds of millions of consumer identities. Built on an enterprise-grade secure platform, Azure Active Directory B2C keeps your business and your consumers protected.</p>	Microsoft

Item Number	Item Description	Manufacturer
C00175	<p>Container Instances</p> <p>Azure Container Instances offers the fastest and simplest way to run a container in Azure, without having to provision any virtual machines or learning new tools—it's just your application, in a container, running in the cloud. With Azure Container Instances, you can easily run containers with a single command. Get started in seconds and lower your infrastructure costs by taking advantage of per second billing and custom machine sizes.</p>	Microsoft
C00176	<p>App Service</p> <p>Quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance.</p>	Microsoft
C00177	<p>Web Apps</p> <p>To create and deploy mission-critical web applications that scale with your business.</p>	Microsoft
C00178	<p>Mobile Apps</p> <p>To build engaging iOS, Android, and Windows apps.</p>	Microsoft
C00179	<p>API Apps</p> <p>To quickly build and consume APIs in the cloud using the language of your choice.</p>	Microsoft
C00180	<p>ExpressRoute</p> <p>Use Azure ExpressRoute to create private connections between Azure datacenters and infrastructure on your premises or in a colocation environment. ExpressRoute connections don't go over the public Internet, and they offer more reliability, faster speeds, and lower latencies than typical Internet connections. In some cases, using ExpressRoute connections to transfer data between on-premises systems and Azure can give you significant cost benefits.</p>	Microsoft

Item Number	Item Description	Manufacturer
C00181	<p>Azure DNS</p> <p>Use Azure DNS to host your Domain Name System (DNS) domains in Azure. Manage your DNS records using the same credentials, and billing and support contract, as your other Azure services. Seamlessly integrate Azure-based services with corresponding DNS updates and streamline your end-to-end deployment process.</p>	Microsoft
C00182	<p>Virtual Network</p> <p>The private network in the cloud.</p>	Microsoft
C00183	<p>Traffic Manager</p> <p>Route incoming traffic for high performance and availability.</p>	Microsoft
C00184	<p>Load Balancer</p> <p>With built-in load balancing for cloud services and virtual machines, you can create highly-available and scalable applications in minutes. Azure Load Balancer supports TCP/UDP-based protocols such as HTTP, HTTPS, and SMTP, and protocols used for real-time voice and video messaging applications.</p>	Microsoft
C00185	<p>VPN Gateway</p> <p>Azure VPN Gateway connects your on-premises networks to Azure through Site-to-Site VPNs in a similar way that you set up and connect to a remote branch office. The connectivity is secure and uses the industry-standard protocols Internet Protocol Security (IPsec) and Internet Key Exchange (IKE).</p>	Microsoft
C00186	<p>Application Gateway</p> <p>Azure Application Gateway enables you to build highly scalable and available web sites by providing HTTP load balancing and delivery control. Web Application Firewall Application Gateway provides you with all the benefits of a basic Application Gateway, as well as protection against malicious web requests.</p>	Microsoft
C00187	<p>Azure DDoS Protection</p> <p>DDoS Protection enables you to protect your Azure resources from denial of service (DoS) attacks with always-on monitoring and automatic network attack mitigation. There is no upfront commitment, and your total cost scales with your cloud deployment.</p>	Microsoft

Item Number	Item Description	Manufacturer
C00188	<p>Azure Firewall</p> <p>Azure Firewall can be seamlessly deployed, requires zero maintenance, and is highly available with unrestricted cloud scalability. Setting up an Azure Firewall is easy; with billing comprised of a fixed and variable fee.</p>	Microsoft
C00189	<p>Virtual WAN</p> <p>Azure Virtual WAN is a networking service providing optimized and automated branch to branch connectivity through Azure. Virtual WAN allows customers to connect branches to each other and Azure, centralizing their network and security needs with virtual appliances such as firewalls and Azure network and security services.</p>	Microsoft
C00190	<p>Azure Front Door Service</p> <p>Azure Front Door Service offers a single secure global entry point for web applications, APIs, content and cloud services. Through a single pane of glass and global infrastructure, Azure Front Door Service enables Azure customers to securely deliver and manage their global applications and content, migrate to cloud and modern micro service architectures and improve their users' experience.</p> <p>Azure Front Door Service enables you to build secure, high performant, and highly available web applications through global load balancing with fast failover, application acceleration, and web application firewall.</p>	Microsoft
C00191	<p>Azure Security Center</p> <p>Azure Security Center provides unified security management and advanced threat protection for hybrid cloud workloads</p>	Microsoft
C00192	<p>Azure Dedicated HSM</p> <p>Azure Dedicated HSM allows you to do key management on a hardware security module that you control in the cloud. You can meet your compliance requirements such as FIPS 140-2 Level 3 and help ensure your keys are secure by using a cloud-hosted HSM. You can drastically reduce the latency of applications and increase their performance by running them in your own hardware security module in Azure.</p>	Microsoft

<b>Item Number</b>	<b>Item Description</b>	<b>Manufacturer</b>
C00193	Blob Storage Get scalable, cost-effective cloud storage for all your unstructured data. Pay only for what you use, and save money compared with on-premises storage options. Choose from among four storage tiers, depending on how often you'll access the data. Store performance-sensitive data in Premium, frequently accessed data in Hot, infrequently accessed data in Cool, and rarely accessed data in Archive.	Microsoft
C00194	Disk Storage Get HDD/SSD durability, scalability, availability, and security you need for all your workloads—from mission-critical workloads to test scenarios. Use Ultra SSD when you need sub-millisecond latency and extremely scalable performance; Premium SSD high-performance disk storage for production workloads; and Standard SSD for cost-effective and consistent performance.	Microsoft

## **II. Government Public Cloud Related Services**

**Table 5.1 : Staff Service**

<b>Item No.</b>	<b>Description of Services</b>	<b>Staff Category</b>
0001	Service Manager	2
0002	Service Specialist	1

**Table 5.2 : Installation and Maintenance Service**

<b>Item No.</b>	<b>Description of Services</b>
C0001	Remote Setup for iCare Disaster Recovery for PC aaS
C0002	Remote Setup for iCare Disaster Recovery for Server aaS
C0003	Support: AWS Support - Business
C0004	Professional Service, IPS: Trend Micro Deep Security
C0005	Professional Service, WAF: Professional Service for Imperva

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