TÉRMINOS DE REFERENCIA DE LA CONTRATACIÓN DE MENOR CUANTÍA PARA SELECCIONAR UN PROVEEDOR DE SERVICIOS EN LA NUBE PARA BRINDAR SOPORTE Y ASEGURAR LA DISPONIBILIDAD Y ÓPTIMAS CONDICIONES DE FUNCIONAMIENTO DE LA INFRAESTRUCTURA DE INSTANCIAS DESPLEGADA EN LA NUBE DE AMAZON WEB SERVICE AWS PARA PORKCOLOMBIA – FNP.

PROCESO: MC-156-2025
Anexo 1: CONFIGURACIÓN DE INSTANCIAS EN AWS

Tabla 1. Descripción general de instancias.

servidor	mínima	máxima
SIVIP – aplicación producción	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Daily, (Días de carga de trabajo: **Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday**, Punto de referencia: 1, **Pico: 3**, Duración del pico: **5 Hr 0 Min**)), Advance EC2 instance (t3.2xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand**), Enable monitoring (habilitado), EBS Storage amount (**600 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Daily, (Días de carga de trabajo: **Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday** Punto de referencia: 1, Pico: 3, Duración del pico: **12 Hr 0 Min**)), Advance EC2 instance (t3.2xlarge: **vCPU 8 – 32 GB**), Pricing strategy (On Demand), Enable monitoring (habilitado), EBS Storage amount (**600 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)
SIVIP – bases de datos producción	Storage for each RDS Custom for **SQL Server** instance (General Purpose SSD (gp2)), Storage amount (**600 GB**), Instance type (db.t3.2xlarge: **vCPU 4 – 16 GB**), Number of RDS Custom for SQL Server instances (1), Utilization (On-Demand only) (**100 %Utilized/Month**), Database edition (Web), Deployment option (Single-AZ), License (**AWS-provided**), Pricing strategy (**OnDemand**), Additional backup storage (3 GB)	Storage for each RDS Custom for **SQL Server** instance (General Purpose SSD (gp2)), Storage amount (**1 TB**), Instance type (db.t3.2xlarge: **GB**), Number of RDS Custom for SQL Server instances (1), Utilization (On-Demand only) (100 %Utilized/Month), Database edition (Web), Deployment option (Single-AZ), License (**AWS-provided**), Pricing strategy (**OnDemand**), Additional backup storage (3 GB).

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servidor	mínima	máxima
SIVIP – entorno de desarrollo	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo Daily, (Días de carga de trabajo: **Monday, Tuesday, Wednesday, Thursday, Friday**, Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand**), Enable monitoring (habilitado), EBS Storage amount (**100 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo Daily, (Días de carga de trabajo: **Monday, Tuesday, Wednesday, Thursday, Friday**, Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand**), Enable monitoring (habilitado), EBS Storage amount (**100 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)

servidor	mínima	máxima
Visor de Riesgos	Tenancy (Shared Instances), Operating system **(Linux)**, Workload (Consistent, Number of instances: 1), Advance EC2 instance (t2.micro: **1vCPU, 1 GB RAM**), Pricing strategy (**On-Demand** Utilization: 100 %Utilized/Month), Enable monitoring (disabled), EBS Storage amount (**50 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month).	Tenancy (Shared Instances), Operating system **(Linux)**, Workload (Consistent, Number of instances: 1), Advance EC2 instance (t2.micro: **1vCPU, 1 GB RAM**), Pricing strategy (**On-Demand** Utilization: 100 %Utilized/Month), Enable monitoring (disabled), EBS Storage amount (**50 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month).
Económica – servidor 1	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Carga de trabajo (Daily, (Días de carga de trabajo: **Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday.** Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3a.medium: **vCPU 2 – 4 GB**), Pricing strategy (**On-Demand** Utilization: **5 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Carga de trabajo (Daily, (Días de carga de trabajo: **Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday** Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3a.medium: **vCPU 2 – 4 GB**), Pricing strategy (**On-Demand** Utilization: **18 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)

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	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Carga de trabajo (Daily, (Días de carga de trabajo: **Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday.** Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3a.medium: **vCPU 2 – 4 GB**), Pricing strategy (**On-Demand** Utilization: **5 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Carga de trabajo (Daily, (Días de carga de trabajo: **Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday** Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3a.medium: **vCPU 2 – 4 GB**), Pricing strategy (**On-Demand** Utilization: **18 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)
Económica – servidor 2		

Servicios de acuerdo a la configuración mínima

Tabla 2. Especificaciones para los servicios con configuración mínima.

Servicio / Consumo	Características	Precio / Mes
Virtual Private Cloud	Number of Network Load Balancers (1), Processed bytes per NLB for TCP (50 GB per month)	
Elastic Load Balancing		
Amazon CloudFront	Data transfer out to internet (10 GB per month)	
Amazon EC2 – Ambiente Productivo *SIVIP*	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Daily, (Días de carga de trabajo: **Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday**, Punto de referencia: 1, **Pico: 3**, Duración del pico: **5 Hr 0 Min**)), Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand**), Enable monitoring (habilitado), EBS Storage amount (**600 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)	
Amazon RDS SQL Server – Base de datos *SIVIP*	Storage for each RDS Custom for **SQL Server** instance (General Purpose SSD (gp2)), Storage amount (**600 GB**), Instance type (db.m5.xlarge: **vCPU 4 – 16 GB**), Number of RDS Custom for SQL Server instances (1), Utilization (On-Demand only) (**100 %Utilized/Month**), Database edition (Web), Deployment option (Single-AZ), License (**AWS-provided**), Pricing strategy (**OnDemand**), Additional backup storage (3 GB)	
Amazon EC2 – Ambiente Desarrollo *SIVIP*	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Consistent, Número de instancias: 1), Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand** Utilization: **220 Hours/Month**), Enable monitoring (habilitado), EBS Storage amount (**100 GB**), DT	

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	Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)
Amazon EC2 – *Aplicación económica 1*	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand** Utilization: **3 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)
Amazon EC2 – *Aplicación económica 2*	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand** Utilization: **3 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)
Amazon EC2 - *Visor de Riesgos*	Tenancy (Shared Instances), Operating system (**Linux**), Workload (Consistent, Number of instances: 1), Advance EC2 instance (t2.micro: **1vCPU, 1 GB RAM**), Pricing strategy (**On-Demand Utilization: 100 %Utilized/Month**), Enable monitoring (disabled), EBS Storage amount (**50 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month).
Amazon Simple Storage Service (S3)	S3 Standard storage (**1000 GB por month**), PUT, COPY, POST, LIST requests to S3 Standard (1000), GET, SELECT, and all other requests from S3 Standard (1000)
Route 53	
Data Transfer	DT Entrada: Internet (100 GB al mes), DT Salida: Internet (10 GB al mes)
AWS Security Hub	
Aws Cost Explorer	
AWS Key Management Service	Number of customer managed Customer Master Keys (CMK) (6), Number of symmetric requests (2000000)
AWS Key Management Services	
AWS CloudTrail	Unidades de eventos de administración (millones), Registros de seguimiento de administración de escritura (1), Registros de seguimiento de administración de lectura (1), Unidades de eventos de datos (millones), Registros de seguimiento de S3 (1), Registros de seguimiento de Lambda (1), Unidades de eventos de Insights (millones), Registros de seguimiento con eventos de Insights (1)
AWS GuardDutty	AWS CloudTrail Management Event Analysis (10 per month), EBS Volume Data Scan Analysis (10 GB per month), RDS provisioned instance vCPU (4 per month)

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Servicios de acuerdo a la configuración máxima

Tabla 3. Especificaciones para los servicios con configuración máxima.

Servicio / Consumo	Características	Precio / Mes
Amazon EC2 – Ambiente Productivo *SIVIP*	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Daily, (Días de carga de trabajo: **Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday** Punto de referencia: 1, Pico: 3, Duración del pico: **12 Hr 0 Min**)), Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (On Demand), Enable monitoring (habilitado), EBS Storage amount (**600 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)	
Amazon RDS SQL Server – Base de datos *SIVIP*	Storage for each RDS Custom for **SQL Server** instance (General Purpose SSD (gp2)), Storage amount (**1 TB**), Instance type (db.m5.2xlarge: **vCPU 8 – 32 GB**), Number of RDS Custom for SQL Server instances (1), Utilization (On-Demand only) (100 %Utilized/Month), Database edition (Web), Deployment option (Single-AZ), License (**AWS-provided**), Pricing strategy (OnDemand), Additional backup storage (3 GB).	
Amazon EC2 – Ambiente Desarrollo *SIVIP*	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Consistent, Número de instancias: 1), Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand** Utilization: **220 Hours/Month**), Enable monitoring (habilitado), EBS Storage amount (**100 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)	
Amazon EC2 – *Aplicación economici 1*	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand** Utilization: **5 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)	
Amazon EC2 – *Aplicación económica 2*	Tenancy (Shared Instances), Operating system (**Ubuntu Pro**), Workload (Consistent, Number of instances: 1), Advance EC2 instance (t3.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (**On-Demand** Utilization: **5 Hours/Day**), Enable monitoring (enabled), EBS Storage amount (**100 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month)	
Amazon EC2 - *Visor de Riesgos*	Tenancy (Shared Instances), Operating system (**Linux**), Workload (Consistent, Number of instances: 1), Advance EC2 instance (t2.micro: **1vCPU, 1 GB RAM**), Pricing strategy (**On-Demand Utilization: 100 %Utilized/Month**), Enable monitoring (disabled), EBS Storage amount (**50 GB**), DT Inbound: Not selected (0 TB per month), DT Outbound: Not selected (0 TB per month), DT Intra-Region: (0 TB per month).	

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Demas servicios igual al escenario anterior		
Amazon EC2 – Ambiente Productivo *SIVIP*	Tenancy (Shared Instances), Operating system (**Windows Server**), Carga de trabajo (Daily, (Días de carga de trabajo: **Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday** Punto de referencia: 1, Pico: 3, Duración del pico: **12 Hr 0 Min**)), Advance EC2 instance (t2.xlarge: **vCPU 4 – 16 GB**), Pricing strategy (On Demand), Enable monitoring (habilitado), EBS Storage amount (**600 GB**), DT Entrada: Not selected (0 TB al mes), DT Salida: Not selected (0 TB al mes), DT Intra-región: (0 TB al mes)	

Máquinas requeridas

Tabla 4. Descripción de los servicios a gestionar

Concepto	Precio mensual
Servicio de soporte AWS EC2 – Ambiente Productivo *SIVIP* en modalidad 12x5	
Servicio de soporte AWS Amazon RDS SQL Server – Base de datos *SIVIP* en modalidad 12x5	
Servicio de soporte AWS EC2 – *Aplicación económica* en modalidad 12x5 (x2)	

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