

Overview of selected KPN Security Policies

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Rationale	Nature of Public Cloud
Description	The confidentiality, integrity and availability security requirements for data classified as Internal use allow it to be stored on a cloud infrastructure that is provisioned for open use by the public. It is owned, managed and operated by a third party, and it exists on the premises of the cloud provider.
Subject Area	Security & Continuity Management
ID	KSP-RA-737
Version	1.0
Date	November 2, 2018

Rationale	Nature of Private Cloud
Description	<p>The confidentiality, integrity and availability security requirements for data classified as Confidential allow it to be stored on a cloud infrastructure that is installed for exclusive use by KPN. It is owned, managed and operated by a third party or in combination with KPN, and it exists on premise or off premise.</p> <p>The cloud infrastructure is not a private cloud when a public cloud solution is required to operate it.</p>
Subject Area	Security & Continuity Management
ID	KSP-RA-738
Version	1.0
Date	November 2, 2018

Rationale	KPN Data Center
Description	<p>The confidentiality, integrity and availability security requirements for data used for the continuous delivery of Critical or Vital services, information on KPN's vulnerabilities and for data classified as Secret only allow it to be stored on an infrastructure that is exclusively used by KPN, owned by KPN and installed on KPN premise.</p> <p>Compliance with internal policies (KSP security measures) is required.</p>
Subject Area	Security & Continuity Management
ID	KSP-RA-739
Version	1.0
Date	November 2, 2018

Requirement	Perform an (information) security risk assessment
Description	<p>Prior to purchasing or using cloud services an (information) security risk assessment must be performed, which takes into account:</p> <p>the type, classification and importance of information that may be handled in the cloud (e.g., commercial information, financial information, intellectual property (IP), legal, regulatory and privileged information (LRP), logistical information, management information or personally identifiable information (PII)).</p>
ID	KSP-RE-98
Version	1.0
Date	December 11, 2017
Rationale	Information classification
Rationale	Cloud Computing
Rationale	Nature of Public Cloud
Rationale	Nature of Private Cloud
Rationale	KPN Data Center

Requirement	Determine the type of Cloud
Description	<p>Determine the Cloud type to be used based on the diagram below:</p> <pre> graph TD Start([Start]) --> Q1{Is KPN owner of the information?} Q1 -- No --> Q4{Selection based on customer contractual requirements} Q1 -- Yes --> Q2{Information classification Internal / Public?} Q2 -- No --> Q3{Information classification Confidential?} Q2 -- Yes --> Box1[security/BC measures laid down in vendor contract or in general terms and conditions] Q3 -- No --> Q4 Q3 -- Yes --> Box2[security/BC measures laid down in KPN contract including a security annex] Q4 --> End([End]) Box1 --> End Box2 --> End Q5{Inf.Class. Secret, Vulnerabilities information or continuous delivery Critical or Vital service?} -- Yes --> Box3[security/BC measures laid down in KSP] Q5 -- No --> End Box3 --> End </pre> <p>The flowchart outlines the process for selecting a cloud type based on information classification and ownership. It starts with a decision on whether KPN is the owner of the information. If not, it leads to a selection based on contractual requirements. If yes, it checks the information classification (Internal/Public vs. Confidential). Confidential information further checks if it's 'Secret, Vulnerabilities information or continuous delivery Critical or Vital service'. Depending on these checks, security/BC measures are laid down in different contracts (vendor, KPN, or KSP), which then determines the cloud type: public (AWS, Azure, etc.), private (supplier or third-party data center), or KPN data center.</p>
Supplement	Information on KPN's vulnerabilities is not classified as 'Secret' but it has to reside within KPN premises.
ID	KSP-RE-735
Version	1.1
Date	November 2, 2018
Rationale	Cloud Computing
Rationale	Nature of Public Cloud
Rationale	Nature of Private Cloud
Rationale	KPN Data Center