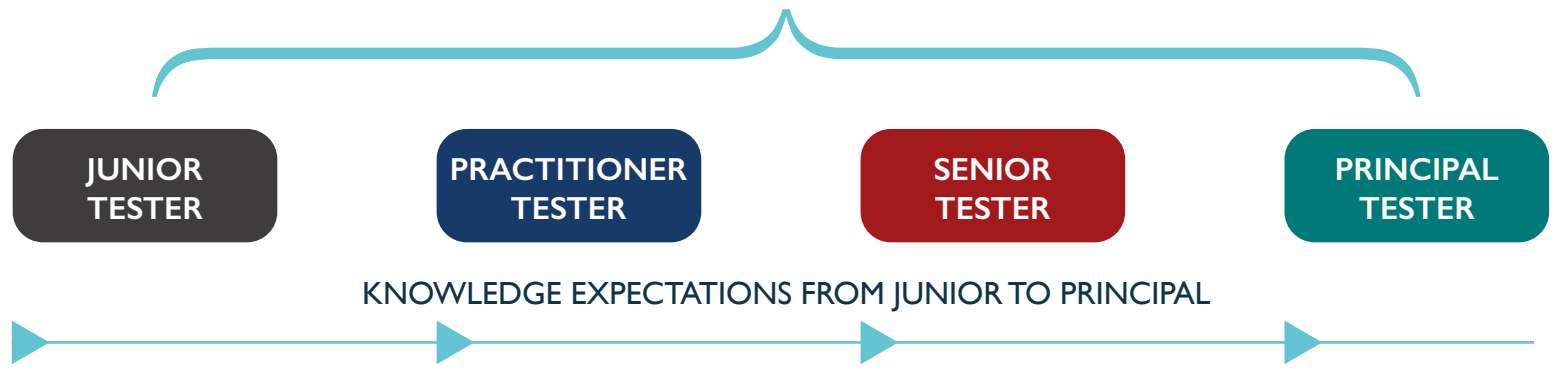


CLOUD SECURITY KNOWLEDGE DOMAIN

TYPICAL INDUSTRY ROLES



Knowledge Domain	Knowledge Expectations
AUTHORISATION	Understands the importance of obtaining authorisation from cloud hosting providers and the potential effects on permitted types of testing during engagements
VIRTUAL PRIVATE CLOUDS	<ul style="list-style-type: none"> Understands the concepts of a VPC and the implications on performing security assessments Can competently assess resources within a private cloud-hosted environment, advising on any necessary temporary changes that may be needed (e.g. creation of bastion hosts, changes to Security Groups / firewalls)
LOGGING & MONITORING	<ul style="list-style-type: none"> Can analyse logging configuration within a cloud environment and advise on improvements Can analyse the configuration of resource monitoring and alarm generation and advise on improvements
IDENTITY AND ACCESS MANAGEMENT	<ul style="list-style-type: none"> Understands the identity and access management models of popular cloud providers Can assess roles and policies to identify weaknesses relating to insecure permissions
DENIAL OF SERVICE AND RESOURCE EXHAUSTION	<ul style="list-style-type: none"> Understands how (Distributed) Denial of Service attacks are performed and the protective measures available in cloud environments Understands the financial implications of excessive resource consumption
CLOUD ARCHITECTURE	<p>Understand the differences between cloud and on-prem architecture. Understand how to link between the two</p> <p>Understand the different security responsibility boundaries between IaaS, PaaS and SaaS</p>
AZURE	<p>Identify and understand the key administrative roles in Azure</p> <p>Identify the Azure metadata service</p> <p>Understand and review conditional access policies</p> <p>Understand the difference between AD, Azure AD DS and Azure AD</p>
AWS	<p>Identify and understand the key administrative roles in AWS</p> <p>Understand the difference between roles and policies</p> <p>Identify the AWS metadata service</p>
MOBILE DEVICE MANAGEMENT	<p>Understand the purpose MDM solutions and the functionality they offer</p> <p>Review MDM configuration policies</p>