

CNAPP vs CSPM vs CWPP vs DSPM

CSPM

CLOUD SECURITY POSTURE MANAGEMENT (CSPM)

Focus:
Cloud configuration & posture

Secures:
Cloud infrastructure

Detects:

- Misconfigurations
- Compliance violations
- Configuration drift
- Exposed resources

CWPP

CLOUD WORKLOAD PROTECTION PLATFORM (CWPP)

Focus:
Workload security

Secures:
VMs • Containers • Kubernetes
• Serverless

Detects:

- Vulnerabilities
- Malware
- Runtime threats
- Workload exploits

DSPM

DATA SECURITY POSTURE MANAGEMENT (DSPM)

Focus:
Data visibility & exposure

Secures:
Sensitive cloud data

Discovers:

- Sensitive data
- Shadow data stores
- Data exposure
- Excessive access

CNAPP

CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP)

Focus:
End-to-end cloud-native security

Secures:
Code → Cloud → Workload → Runtime

Unifies:

- CSPM
- CWPP
- CIEM
- IaC Security
- Cloud-Native AppSec
- Runtime Protection

THE DIFFERENCE AT A GLANCE

	CSPM	CWPP	DSPM	CNAPP
Primary Focus	Posture	Workloads	Data	Cloud-native stack
Key Risk	Misconfiguration	Runtime threats	Data exposure	Contextual cloud risk
Visibility	Infrastructure	Workloads	Data	End-to-end
Approach	Posture management	Workload defense	Data intelligence	Unified security

