Typical DevOp Process

Security to the far right

Development | Testing | Production

| IDE | Jenkins / CI Tool | Tools |

| Develop | Git | Test | Build | Deploy - Stage | Deploy - Prod | Monitor | | Security |

High cost   Low speed

High Risk   New Developments

bug fix ← bug in prod

Devops Process

Shifting Security to the left

Development | Testing | Production

| IDE | Jenkins / CI Tool | Tools |

| Develop | Git | Test | Build | Deploy - Stage | Deploy - Prod | Monitor | | Security |

Low Cost   High Speed

Low Risk   No New Deployment

bug fix

Development | Testing | Production

| IDE | Jenkins / CI Tool | Tools |

| Develop | Git | Test | Build | Deploy - Stage | Deploy - Prod | Monitor | Security |

Develop	Git	Test	Build	Deploy - Stage	Deploy - Prod	Monitor	Security
pre- commit *****	code scans	Unit Test	Packages	Validate Image Signature *****	Validate Runtime Configs *****	Log Aggregation	SSL/TLS
pre - publish hooks *****	secret vaults	Mutation Test	Dependency Scan *****	Integration Test	DAST Pen Test	Security Logs *****	Network Policies
IDE Plugins		Static Code Analysis *****	Container images		Compliance Checks *****	Resource Utilisation	Auditing
			Image Scan *****		Performance Test		
			Image Signature *****				

***   DevOps Stages

DevSecOps Stages