TechTrend
Agility on Demand

CMMI DEV /3 ℠
Exp. 2022-04-12 / Appraisal #3078

Journey to DevSecOps

Government Cloud Experts

International Standards Organization Certifications

- ISO 20000-1:2018
- ISO 27001:2013
- ISO 9001: 2015

| **TechTrend** | info@techtrend.us | 1-855-521-9392 |

Speaker Bio

TECH

James Barr

Senior Director DevSecOps & Cloud Strategy

Innovative senior enterprise technology professional leader specializing in cloud services, application modernization, DevSecOps, strategic planning, organizational transformation and data analytics.

 https://www.linkedin.com/in/jamesbarr7/   jbarr@techtrend.us

Why DevSecOps?
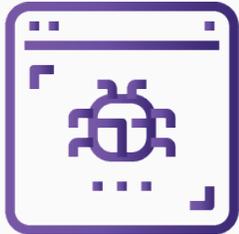
85 percent of all applications contain **at least one** vulnerability after the first scan.[1]

One in three applications were **vulnerable to attack** through high or very high severity flaws.[2]

13 percent of applications contain at least **one very high severity** flaw.[3]
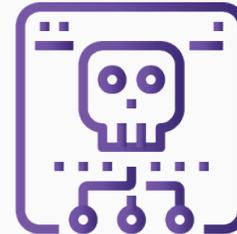
$2.08 Trillion = **total cost of poor software quality.**[4]

DevSecOps programs fix bugs almost 12x faster than average as a result of security reviews and increased code scanning throughout the continuous delivery process.[5]

DevSecOps Evolution

TL TechTrend
Agility on Demand

Agile App
Development

Enterprise Secure Code Scanning
and Testing for common security
vulnerabilities

Source Code
Management SaaS

Speed up application development
and deployment through
automation.

DevSecOps

Government agencies need to
achieve ATO status. Streamline and
automate

Code
Vulnerability

CI/CD

FedRAMP
Controls

Central Code repository
Dedicated environment

Pre-harden and integrate an end-to-
end toolchain that enables and
empowers developers

Federal GovCloud DevSecOps

INTEGRATED TOOLCHAIN

LANDING ZONE AGNOSTIC

**RAPID DEPLOYMENT**

INDUSTRY LEADING TOOKIT

DevSecOps Philosophy

✓ Engineering and cultural approach

✓ Eliminates Legacy Approach

✓ CI/CD for Rapid Production Deployments

✓ Optimize the software development lifecycle (SDLC)

✓ Gateway to Cloud Adoption

Workflow

Design/
Initialize

Define & Build
Application

Infrastructure as Code
Configuration Management as Code
Database as Code

Build & Deploy Test
Environment

Testing

Security Gate

Deploy to Environment

Email Notification
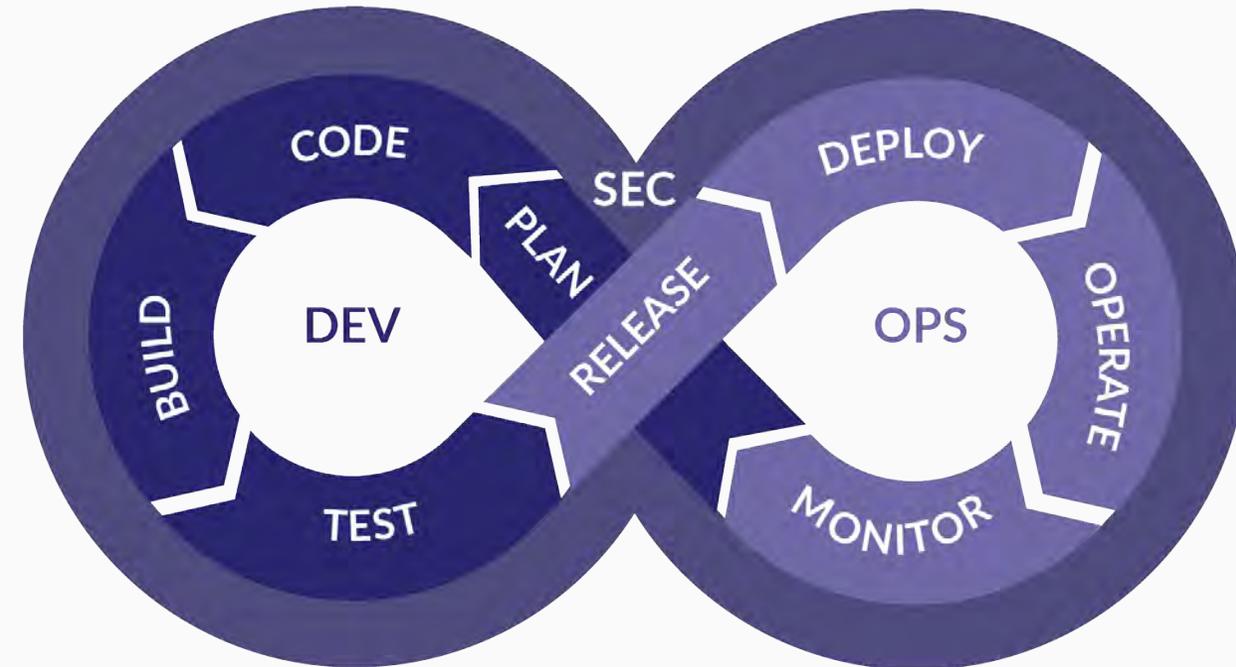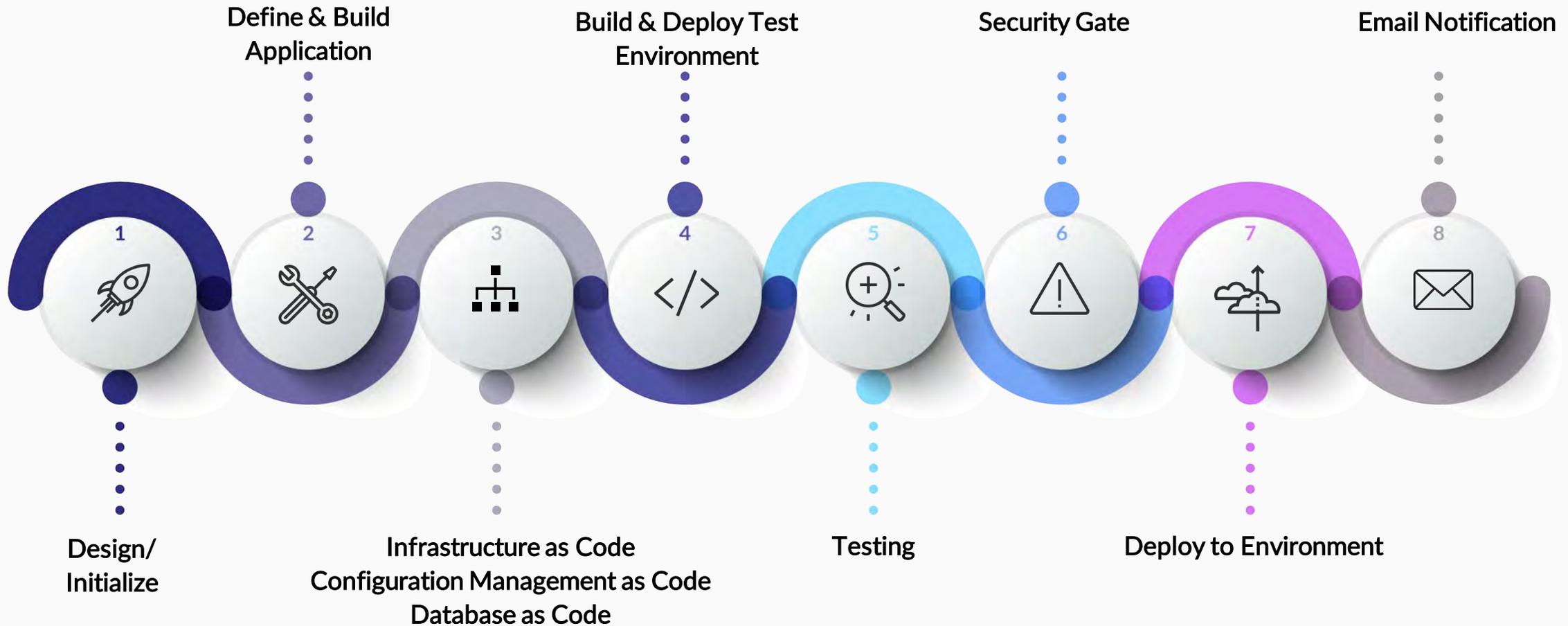
DevSecOps Security Benefits

ENABLE SECURITY
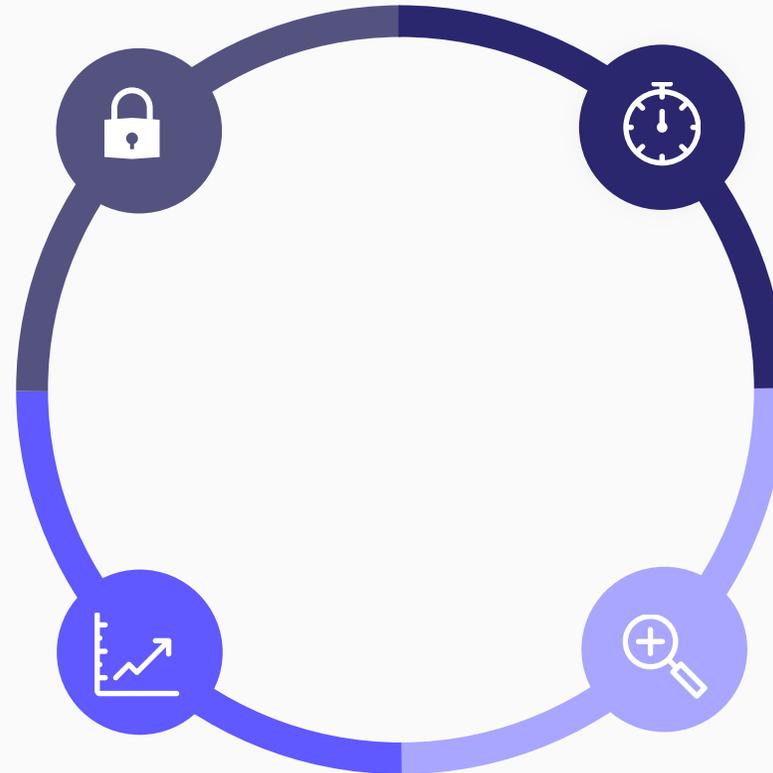
DETECT VULNERNABILITIES EARLIER

UNCOVER TRENDS

INCREASE VISIBILITY

DevSecOps Advanced Security

Compliance & Encryption

Data Segmentation

FedRAMP Controls

Security Enforcement

Data Protection

Third-party Sign-off

Notable Security Features
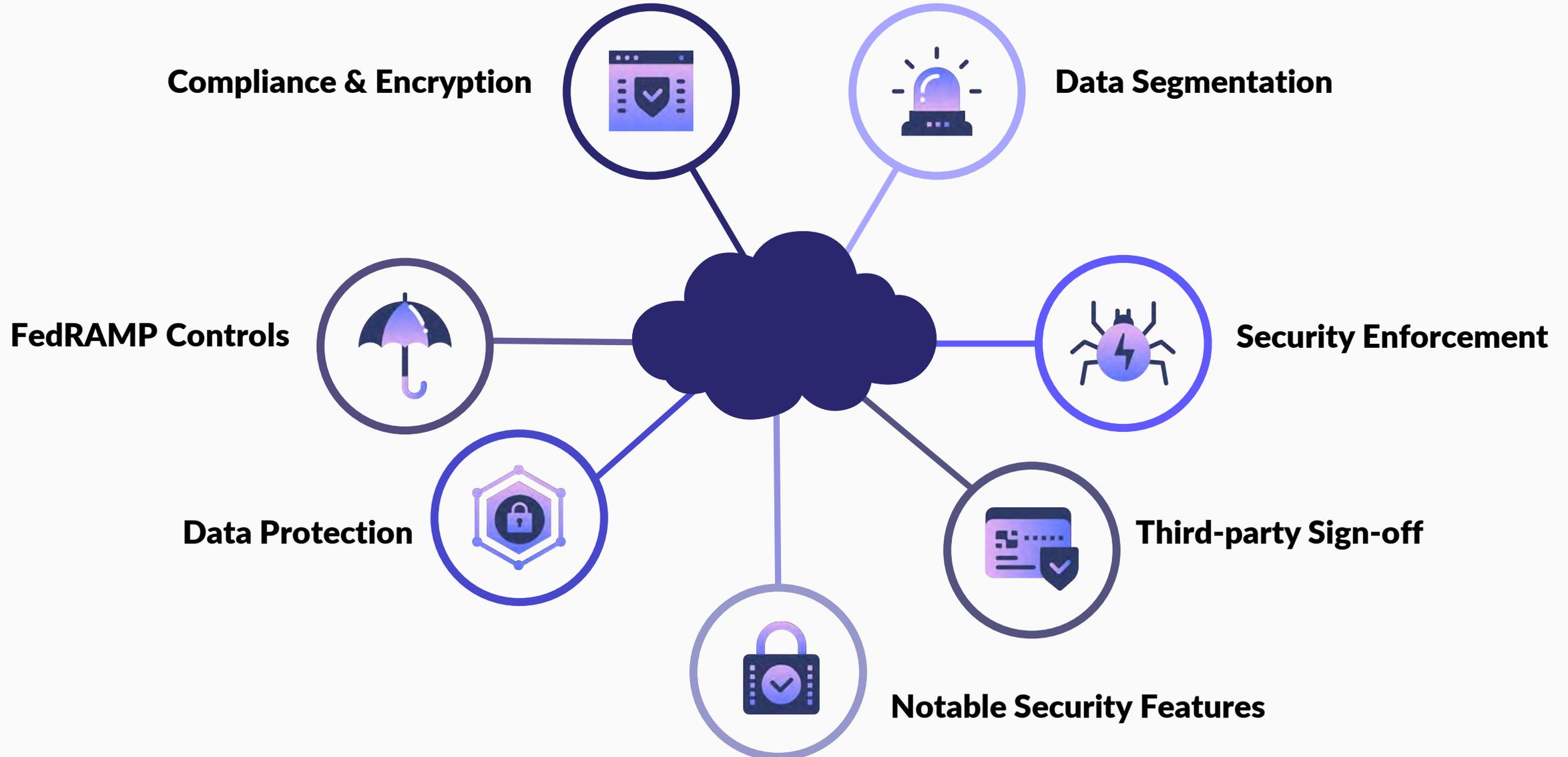
DevSecOps Takeaways
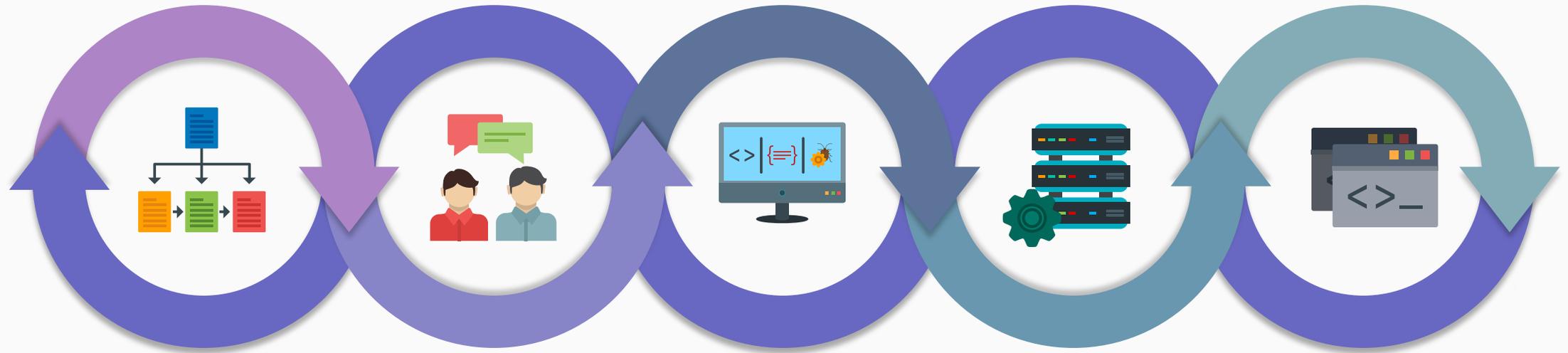
Thank You

🌐 www.techtrend.us

✉ info@techtrend.us

📱 1-855-521-9392

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References

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2. Ibid
3. Ibid
4. Consortium for Information & Software Quality™ (CISQ) 2021. *The Cost of Poor Software Quality in the US: A 2020 Report.* Retrieved from Synopsys website: https://www.synopsys.com/software-integrity/resources/analyst-reports/cost-poor-quality-software.html
5. Veracode 2018, Ibid