



20%
OF YOUR
BUGS
CAUSE

80%
OF YOUR
PROBLEMS

WHICH
SHOULD
YOU WORK
FIRST?

You can't **anticipate** everything

Production incidents offer a clear and undistorted view into an application's quality, user experience and operational service level, yet most development teams lack access to detailed production incident data. **PreEmptive Analytics™ for Team Foundation Server** collects and analyzes production incidents and automatically creates (and updates) work items within TFS via rules and thresholds that you create.

From cloud to desktop, from mobile to back-office, PreEmptive Analytics for TFS offers unprecedented access to production incident data.

Instrumentation Injection or APIs

Applications can be instrumented in minutes with little or no programming and no agents to manage in production. From cloud to desktop, mobile to back office, your team can have access to incident data without interrupting your current development schedule.

Manage On-premises or Hosted

Runtime data is streamed to an analytics endpoint that can be installed next to your TFS instance, on a secured sever or on Microsoft Azure.

Subscribe to Custom Events via Extensible Rules

Each organization and application has its own definition of software quality, user experience and operational impact. Our unique and extensible subscription framework automates application and team-specific rules to intelligently automate incident reporting.

Act on Feedback Driven Work Items

Out-of-the-box integration with Visual Studio Team Foundation Server ensures coordinated, transparent and efficient development responses to only the most material production events.

Feature Summary

Runtime Incident & Data Support

- Unhandled exceptions
- Caught and thrown exceptions
- Custom application, system and user data
- User feedback and contact information

Language & Platform Support

- .NET (including WinForms, Silverlight, WPF, ASP.NET, WinRT, Windows Phone 8, etc.)
- Java (including server client and Android)
- iOS
- Native Win 32/64
- JavaScript

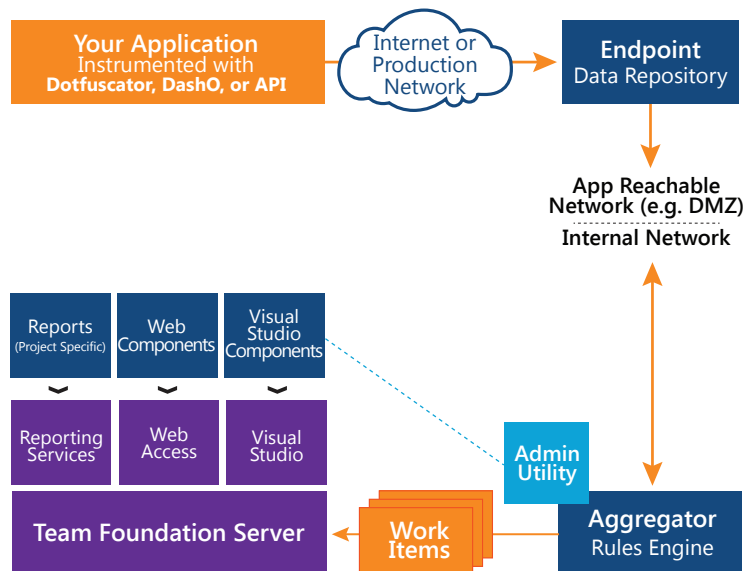
Production & Infrastructure

- Data repository can be installed on-premises or hosted
- Runtime data is owned and managed by your team
- Integrated with Visual Studio Team Foundation Server 2010 and later

Security, Privacy & Reliability

- Automated enforcement of opt-in policy with user feedback
- SSL encrypted transport
- Offline caching and forwarding

PreEmptive Analytics for TFS Sample Implementation



Sample implementation leveraging Dotfuscator for instrumentation and an on-premises implementation of the manage and subscribe services.

1. Leveraging Dotfuscator, exception tracking is injected into a .NET assembly.
2. Once deployed, production apps push runtime data to an on-premises endpoint.
3. The endpoint manages and publishes the runtime data via a web service.
4. The Subscription service tests its rule inventory against one (or more) endpoints and triggers events as defined by its subscriptions.
5. Work items are automatically created and updated accordingly.