JENNIFER®

" Web Application Server Zone is the backbone of
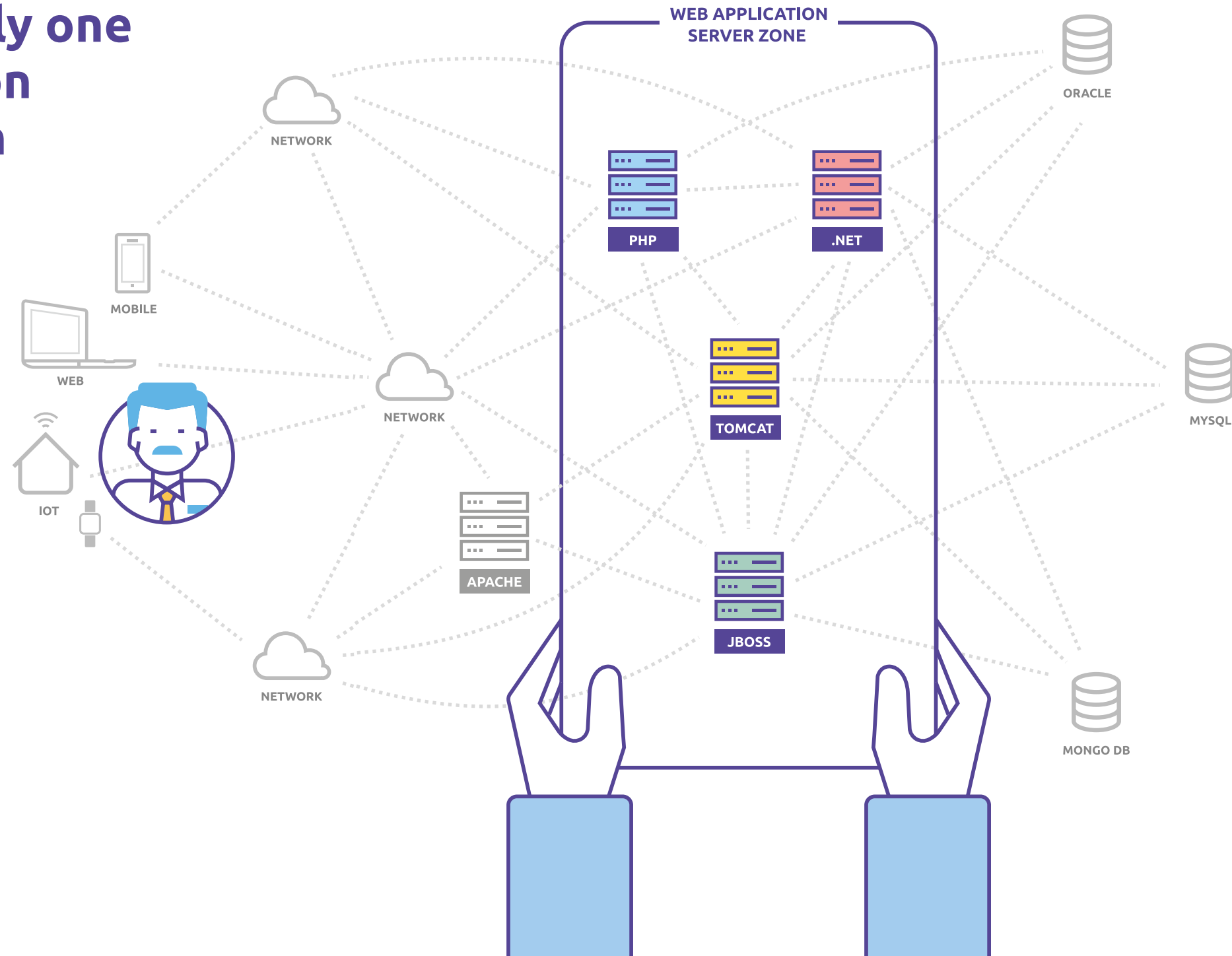web application transactions processing system"

JENNIFER is the only one real-time application monitoring solution over the world.

As a way of managing the environment of web application server has been changed quickly today, Monitoring Web Application Server(JAVA, .NET, PHP) is getting more important.

Web Application Server(JAVA, .NET, PHP) resides in between end-user and back-end system, so all of transactions go through the web application server zone.

Monitoring and managing transaction being processed by this zone is the most effective way to build the stable web application system.

WEB APPLICATION SERVER ZONE

NETWORK

MOBILE

WEB

NETWORK

IOT

APACHE

PHP

.NET

TOMCAT

JBOSS

ORACLE

MYSQL

MONGO DB

NETWORK

Real-Time Monitoring, Real-time Action, Improving Customer Satisfaction in Real-Time.

RTM
Real-Time Transaction Monitoring

REA
Real-Time Event Alert

RDA
Real-Time Data Analytics

RTC
Real-Time Trouble Control

What's happening to transactions? How to find it?

JENNIFER starts to trace every single transactions as soon as user request comes into web application server.

What's happening inside web application server? How to know it?

JENNIFER in real-time detects all of errors/exceptions of application, unexpected resource usage, bad transactions etc that affects user satisfaction, and send alert in all the way.

What happened to transactions just before?

JENNIFER saves and makes a statistics all of transactions monitored in real-time. You can start data analytics whenever you want it.
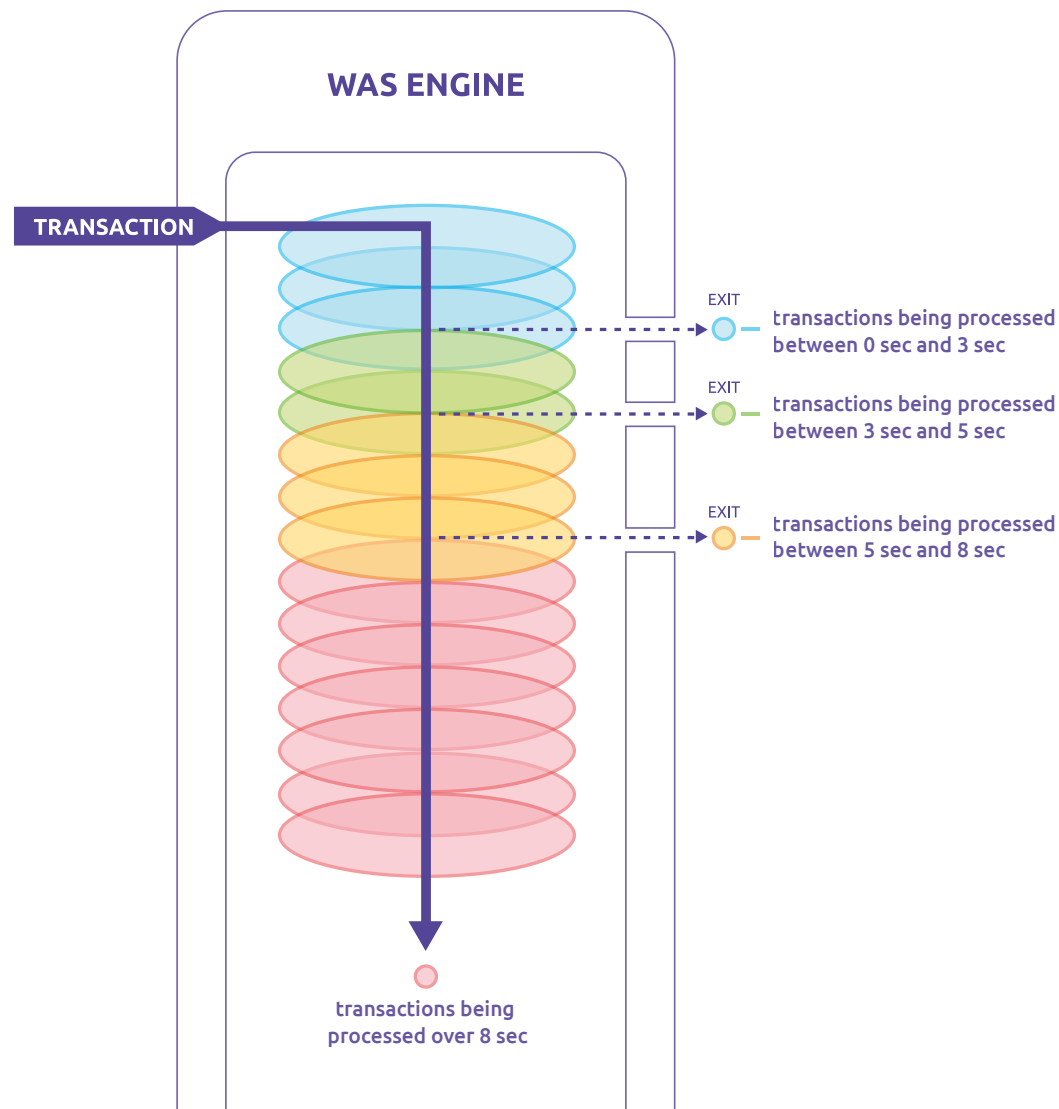
How to keep the system running stable even if an administrator is away?

In case of something unexpected happens and applications are getting into trouble, JENNIFER's self control features keep web applications running stable even if an administrator is out of seat.

RTM

Real-Time Transaction Monitoring

JENNIFER traces all of transactions processing from request entry to exit of web application server in real-time.
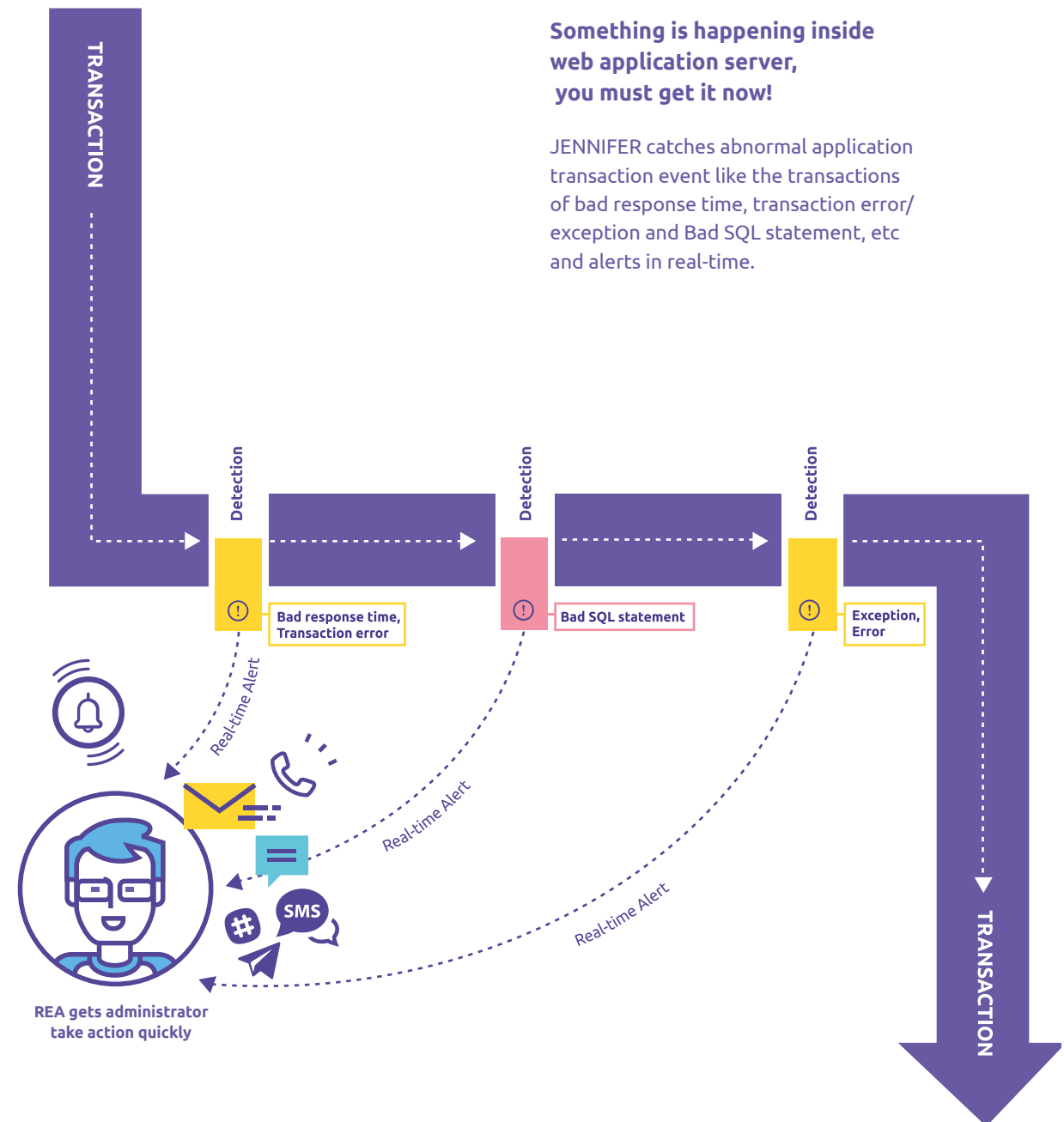
RTM shows colored transaction bar according to elapsed time of transaction being processed. This is an indicator that if your web application server has slow transactions or not in real-time.

WAS ENGINE

TRANSACTION

EXIT — transactions being processed between 0 sec and 3 sec

EXIT — transactions being processed between 3 sec and 5 sec

EXIT — transactions being processed between 5 sec and 8 sec

transactions being processed over 8 sec

REA

Real-Time Event Alert

Something is happening inside web application server, you must get it now!

JENNIFER catches abnormal application transaction event like the transactions of bad response time, transaction error/ exception and Bad SQL statement, etc and alerts in real-time.
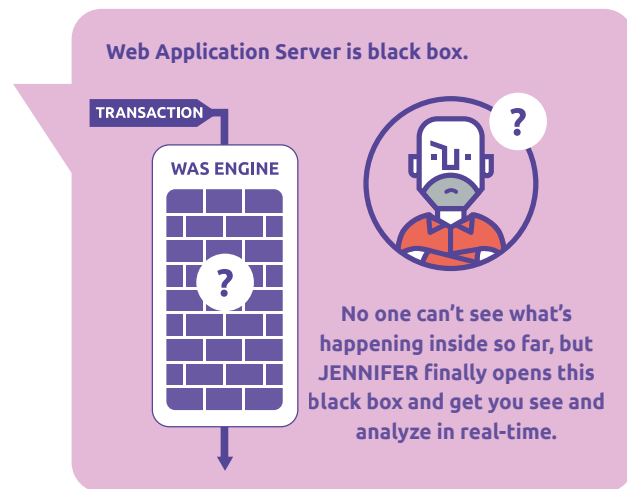
TRANSACTION

Detection — Bad response time, Transaction error

Detection — Bad SQL statement

Detection — Exception, Error

Real-time Alert

Real-time Alert

Real-time Alert

SMS

REA gets administrator take action quickly

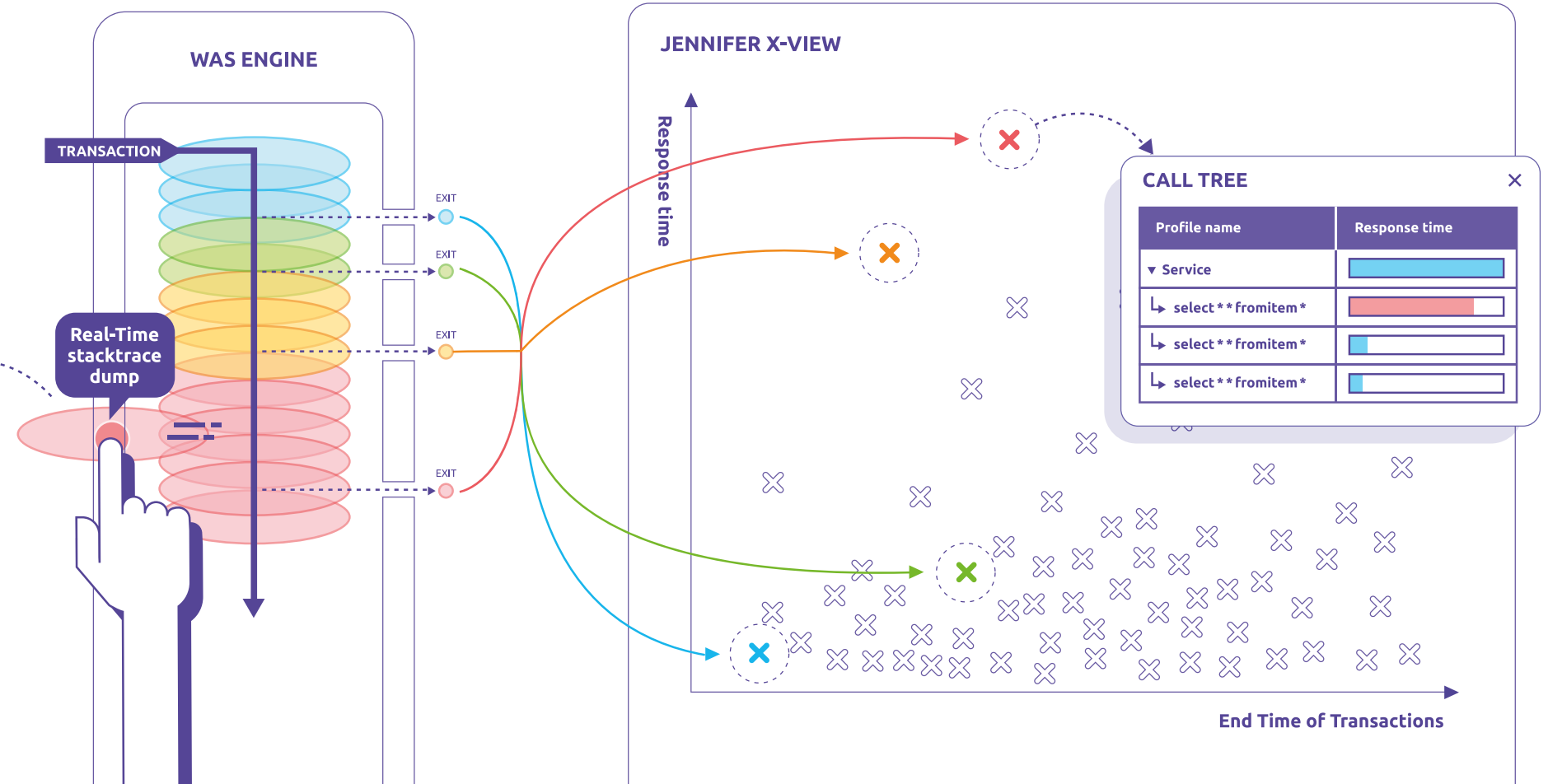TRANSACTION

R D A

Real-Time Data Analytics

① Active Service Data Analytics

Real-Time stacktrace dump of JENNIFER helps you to pinpoint abnormal method behavior in process of transactions inside application server.

② X-View Data Analytics

Begin to analyze in real-time. You don't have to wait any longer to analyze transactions after requests are finished.

Take a look at 'X' dots of upper area on X-View, and drag. 'X' includes all of details of each transaction to analyze as soon as transaction is done.
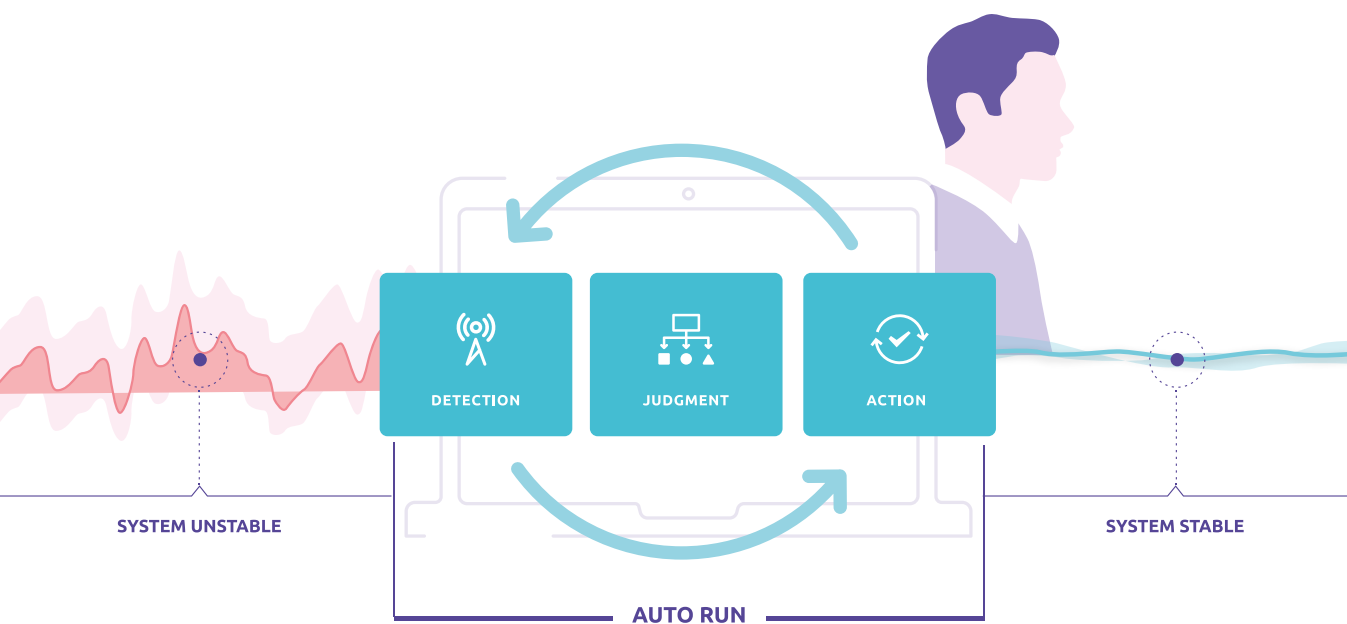
Web Application Server is black box.

TRANSACTION

WAS ENGINE

?

?

No one can't see what's happening inside so far, but JENNIFER finally opens this black box and get you see and analyze in real-time.

WAS ENGINE

TRANSACTION

Real-Time stacktrace dump

EXIT

EXIT

EXIT

EXIT

ACTIVE SERVICE POPUP ✕

Status	Application	Elapsed Time
● Externalcall	ProductSearch.jsp	30sec
● Externalcall	ProductSearch2.jsp	46sec
● Externalcall	ProductSearch3.jsp	56sec
● Externalcall	ProductSearch3.jsp	80sec

JENNIFER X-VIEW

Response time

End Time of Transactions

CALL TREE ✕

Profile name	Response time
▼ Service	
↳ select * * from item *	
↳ select * * from item *	
↳ select * * from item *	

R T C

Real-Time
Trouble Control

RTC features of JENNIFER guarantees the stable web system
running in unexpected disaster situations.

① AutoRun

AutoRun take emergency measures even if administrator is out of a seat.
It runs predefined command when the web system gets into trouble.

DETECTION   JUDGMENT   ACTION

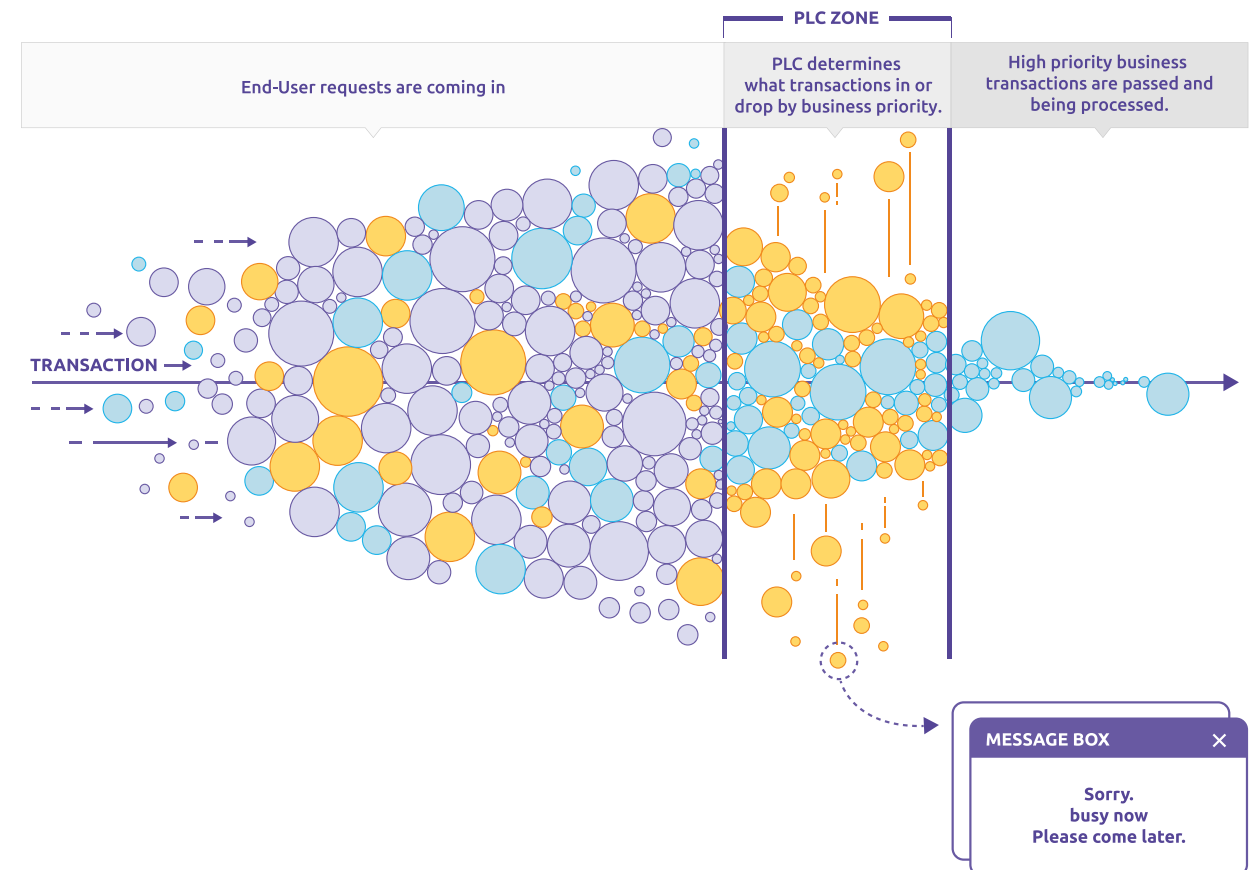SYSTEM UNSTABLE   SYSTEM STABLE

AUTO RUN

② PLC

You could control the level of service load through a user-defined
threshold. The feature would prevent the possibility
of shutting down your entire system due to an unexpected explosion
of the transactions (for instance, course application at school, ticket
reservation service or events at the shopping mall.)
PLC could run relatively important service or limit the use of
service that is not important
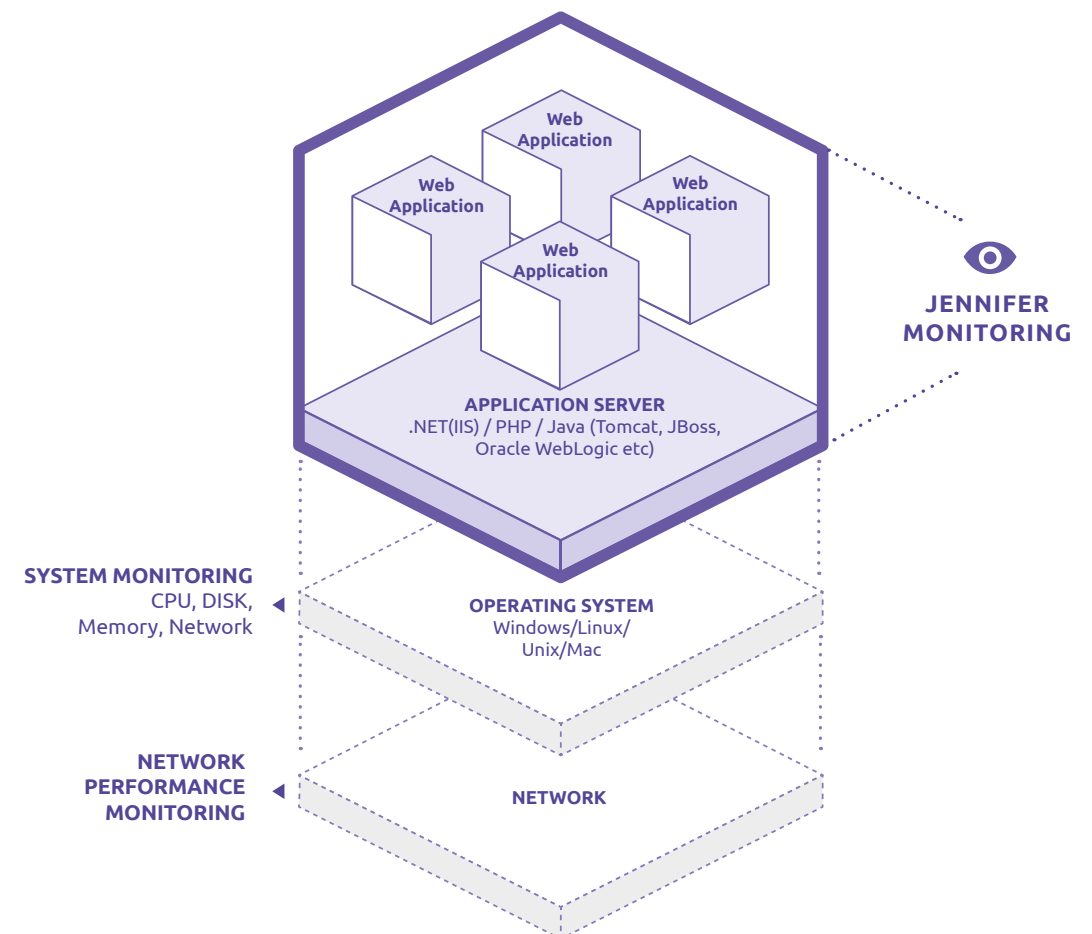when threshold reached the limit users defined.

PLC ZONE

End-User requests are coming in

PLC determines
what transactions in or
drop by business priority.

High priority business
transactions are passed and
being processed.

TRANSACTION

MESSAGE BOX   ✕

Sorry.
busy now
Please come later.

Fascinated by intuitive beauty of JENNIFER dashboard, people often ask why JENNIFER only monitors Application (Java, .Net, PHP).

Well, we focus on continuously improving what we can do BEST.

What is JENNIFER for

The term monitoring can be interpreted differently by different people. There are several aspects of a system that can be monitored (OS Level Monitoring, Network Level Monitoring and Application Monitoring). JENNIFER IS an Application Monitoring (APM) tool, that can give you a complete visibility to your application and your application's transactions.

Web Application

Web Application

Web Application

Web Application

Web Application

APPLICATION SERVER
.NET(IIS) / PHP / Java (Tomcat, JBoss, Oracle WebLogic etc)

JENNIFER MONITORING

SYSTEM MONITORING
CPU, DISK, Memory, Network

OPERATING SYSTEM
Windows/Linux/ Unix/Mac

NETWORK PERFORMANCE MONITORING

NETWORK

Real-Time Application Monitoring, JENNIFER Features Map

Below Features Map shows details of each main categories.

REAL-TIME TRANSACTION MONITORING

Topology View
Active Service
DB Connection
SQL Transaction
External Service transaction
Thread tracing
Heap Memory tracing
Source Deploy Detection
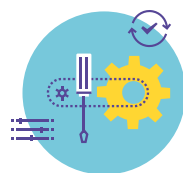JDBC Action Tracing (Commit / Rollback, not close, Fetch)

REAL-TIME EVENT ALERT

Exception detection
Error detection
Speed Meter
Event Threshold
OOM(Out of Memory)

REAL-TIME DATA ANALYTICS

Source Code comparsion analysis
File usage trace
Socket usage trace
Collection Monitoring
Smart Method Profiling
AutoStack Trace
Dynamic method profile
Dynamic stack trace
X-View
Class Analystics

REAL-TIME TROUBLE CONTROL

PLC
Script Autorun
Service dump
AutoStack Trace

RTM
REA
RDA
RTC

JENNIFER®

Support Environment

JAVA

Operating Systems
AIX 5.x, 6.x, 7.x (32bit, 64bit)
HP-UX 11.x 32bit, 64bit, Itanium 64bit
Oracle Solaris 2.8, 2.9, 10, 11 (32bit, 64bit)
Intel Linux 32bit, Red Hat Itanium 64bit
Microsoft Windows 2000, XP, 2003, 2008, 7, 8, 10
IBM iSeries(AS400) for WebSphere
IBM z/OS for WebSphere, zLinux

Application Server
BEA WebLogic 9.x, 10.x, 11.x, 12.x
IBM WebSphere Application Server 6.1, 7.x, 8.x
Tmaxsoft JEUS 4.x, 5.x, 6.x, 7.x
SUN Application Server 8.x, 9.x
Fujitsu Interstage 5.x, 6.x, 7.x, 8~11.x
Hitachi Cosminexus 7.x, 8.x, 9.x, 10.x
Sybase EAServer 4.x, 5.x
Apache Jakarta Tomcat 5.x, 6.x, 7.x, 8.x
Caucho Technology Resin 3.x, 4.x
Red Hat JBoss AS 5.x, 6.x, 7.x
GlassFish 2.x, 3.x, 4.x

Supported DB
MySQL, Microsoft SQL Server, PostgreSQL, DB2, Derby, Oracle Database, Sybase, MongoDB, HSQL, MariaDB, CUBRID

PHP

Operating Systems
Linux kernel version 2.6.18 or later (RHEL 5 or later Ubuntu 7 or later)

Web Server
Apache 2
Any Server that can run with PHP-FPM
PHP Built-in web server

PHP Version
Apache module and PHP-FPM module based 5.2, 5.3, 5.4, 5.5, 5.6, 7.0(NTS)

GNU libcVersion
2.5 or later

Supported DB
MySQL, Microsoft SQL Server, PostgreSQL, Oracle, Maria DB

.NET

Operating Systems
Windows Server 2003 or later (x86 and x64 included)

Web Server
IIS 6.0 or later

.NET Framework
.NET Framework 2.0 or later

Supported DB
Microsoft SQL Server, PostgreSQL, DB2, Oracle

Andri Diki
t. 085214010101
adk@jennifersoft.com

JENNIFERSOFT,INC.