

# FactoryTalk ProductionCentre培训

基础介绍 – Shop Operations Server

ISPB (信息软件部门) 2016年9月18日







## 课程说明

- 课程名字:

FTPC基本培训 – Shop Operations Server

课程描述:

本课程介绍FactoryTalk ProductionCentre的Shop Operations Server服务配置

目标受众:

业务用户,项目经理,开发人员

- 培训目标:完成该课程之后,学员将能够
  - 了解Shop Operations Server
  - 掌握Shop Operations Server服务配置



# 课程说明

- 课堂纪律:
  - 关闭手机铃声,设置为静音模式
  - 举手提问、发言



## 内容

## Rockwell Automation

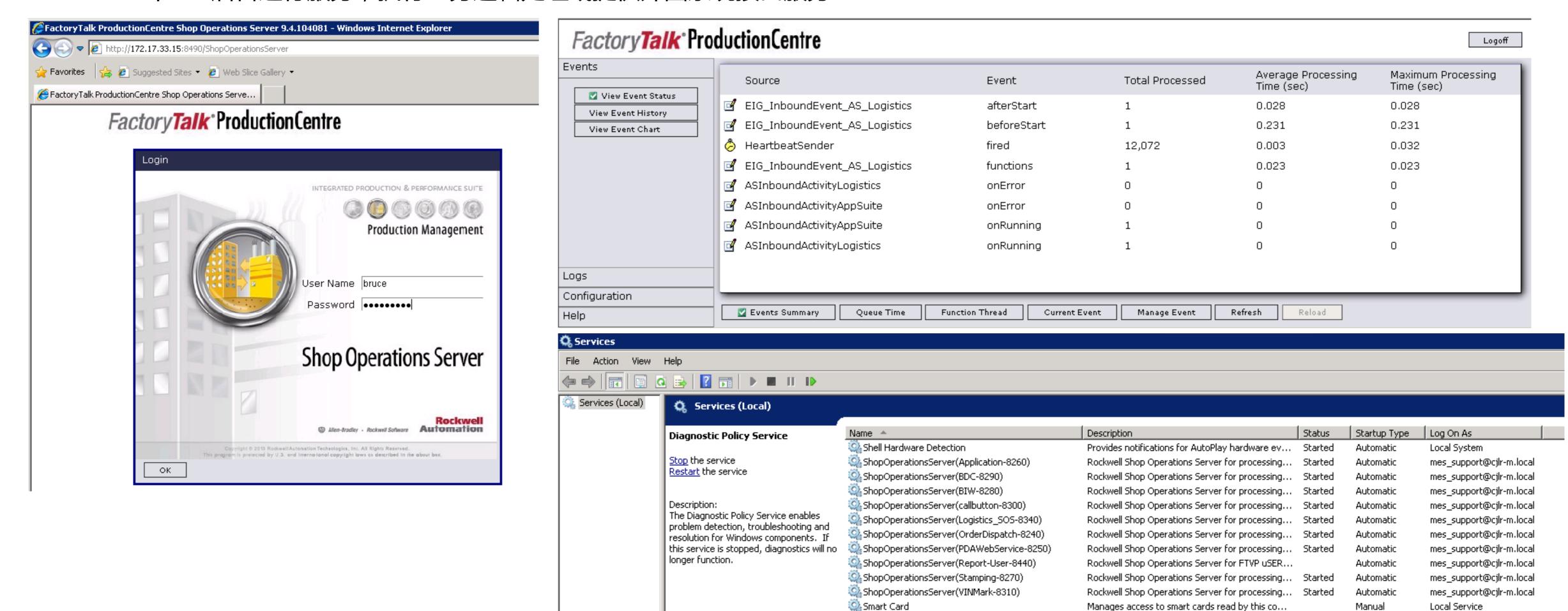
Shop Operations Server介绍

Shop Operations Server配置

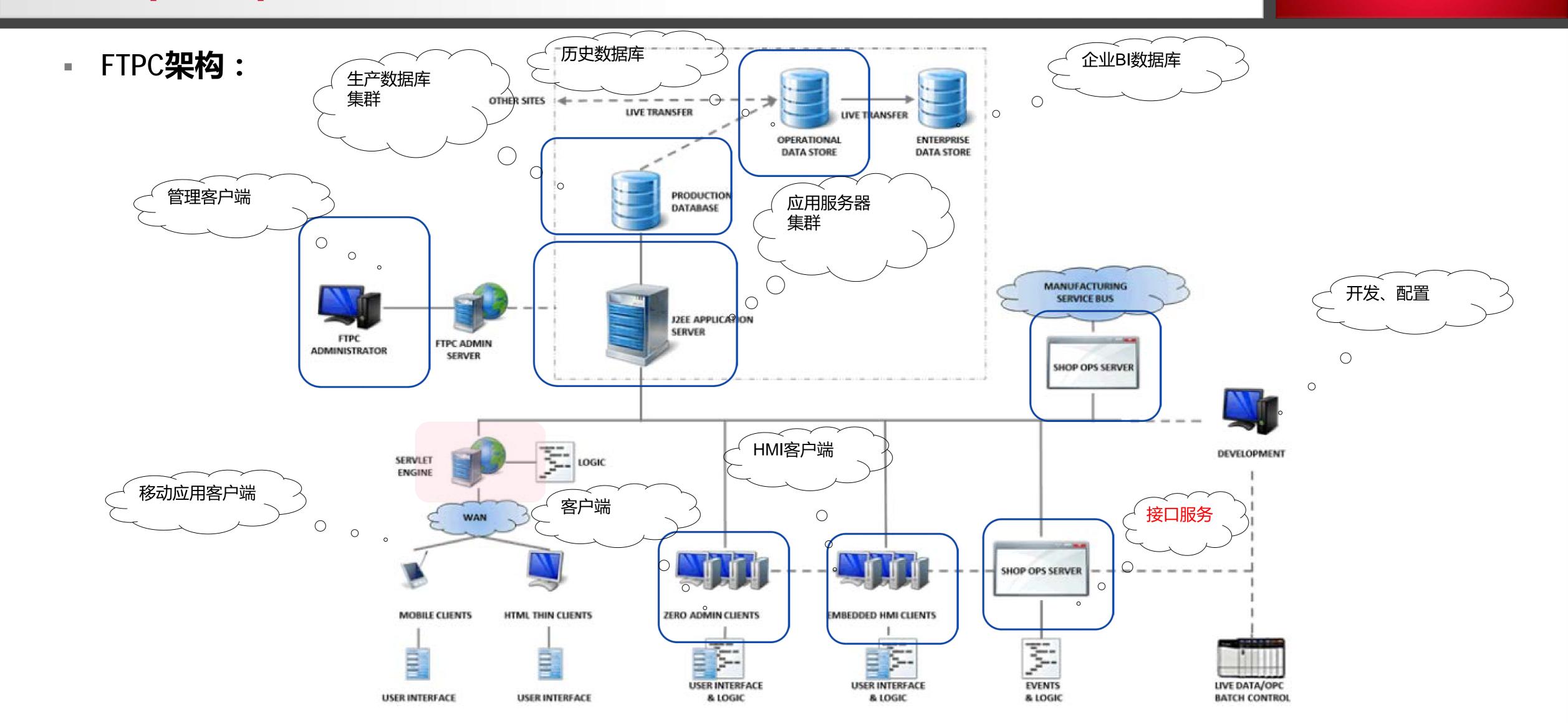
QA

## Shop Operations Server介绍

- Shop Operations Server
  - 一个Java后台运行服务,执行业务逻辑处理或提供外围系统接口服务

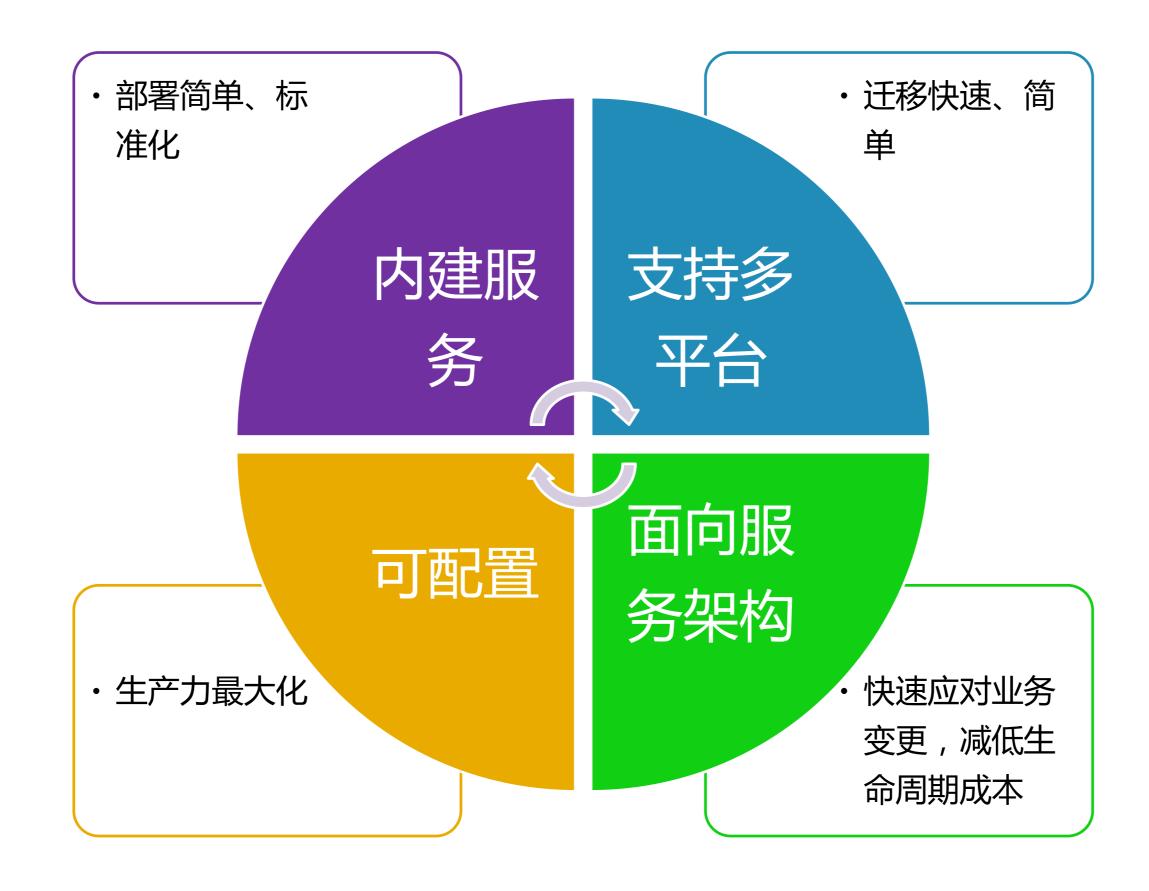


## Shop Operations Server介绍



## Shop Operations Server介绍

Shop Operations Server特性及价值:



## 内容

## Rockwell Automation

Shop Operations Server介绍

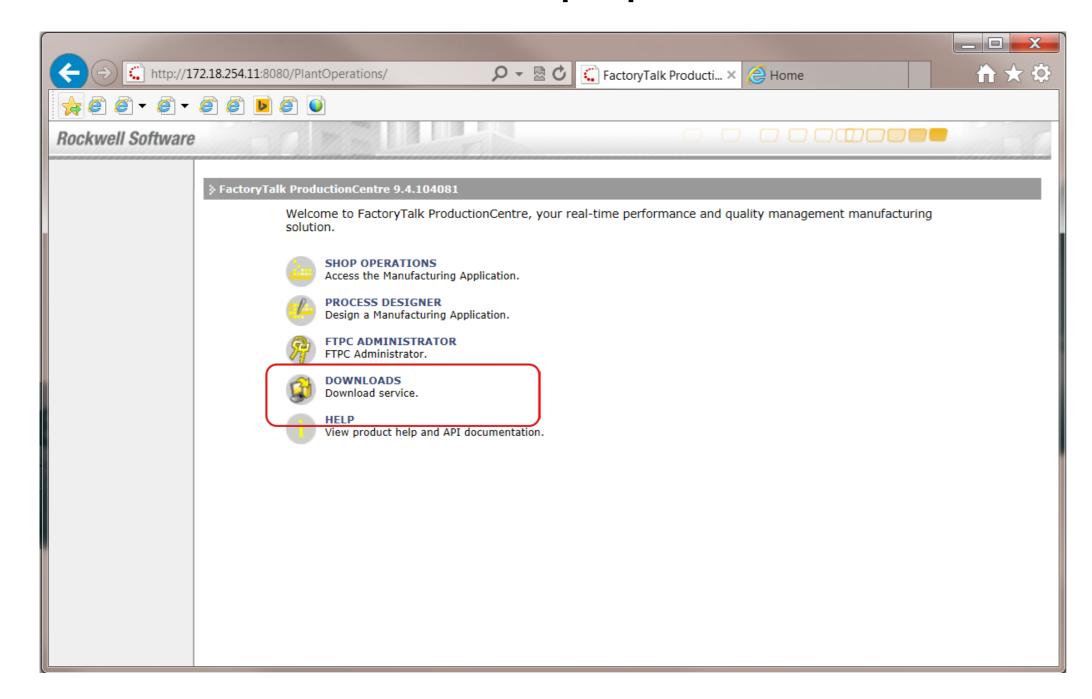
Shop Operations Server配置

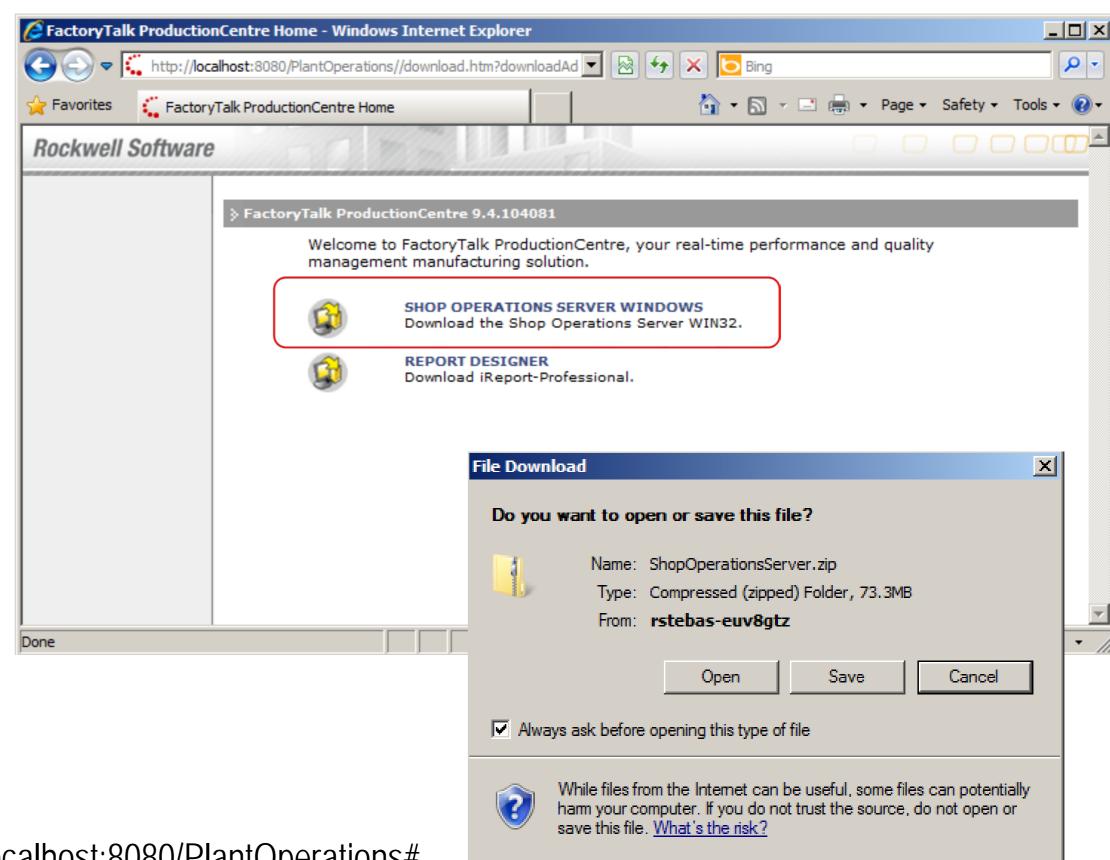
QA

## Shop Operations Server配置

### Rockwell Automation

通过FTPC主页下载Shop Operations Server





通过FTPC主页下载Shop Operations Server

http://localhost:8080/PlantOperations//download.htm?downloadAddress=http://localhost:8080/PlantOperations#

## Shop Operations Server配置

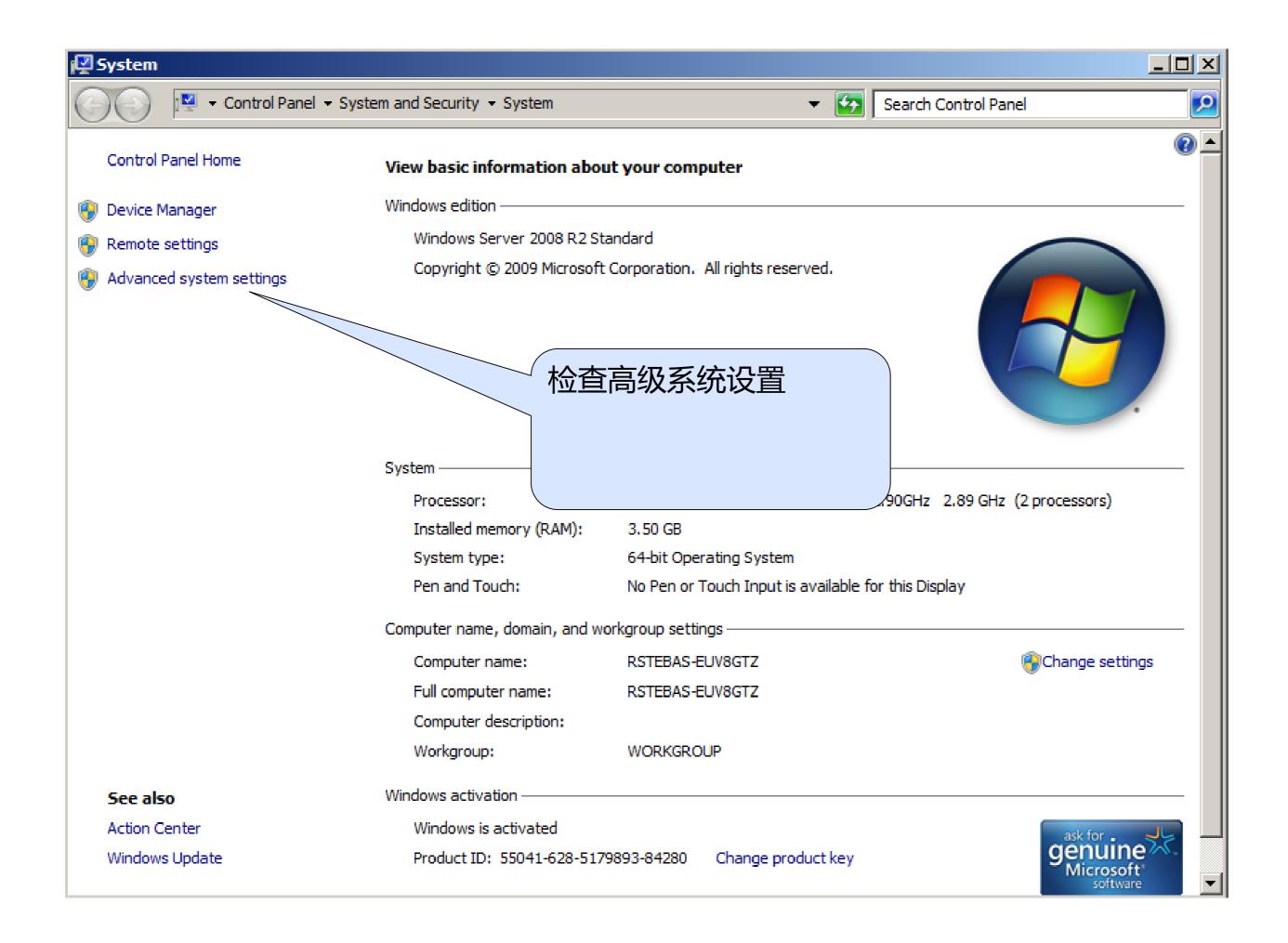
Shop Operations Server 下载 下载Shop Operations Server压缩包到本地 505 ▼ Search SOS - Computer - OS (C:) - Rockwell - SOS -Include in library ▼ Share with ▼ New folder Boot Date modified Name \* Type Size Documents and Settings ShopOperationsServer.zip Compressed (zippe... 75,145 KB 9/14/2016 8:15 AM 📗 inetpub 📗 Java MSOCache PerfLogs Program Files Program Files (x86) ProgramData Recovery Rockwell Backup MSB Oracle PO94.104081 SOS System Volume Information JEMP 1 item

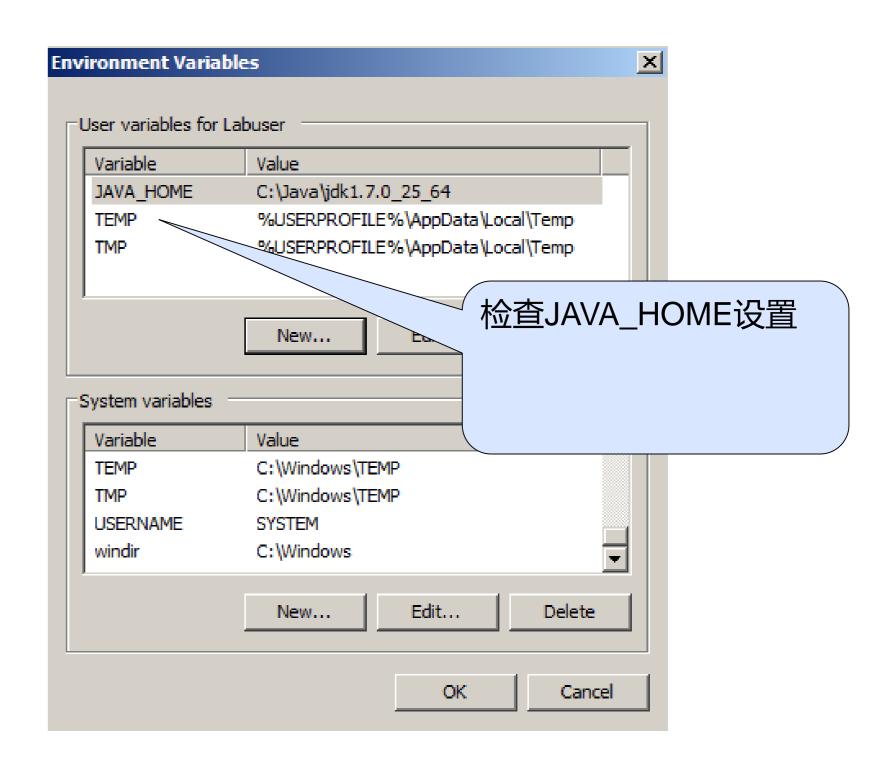
## Shop Operations Server配置

Shop Operations Server文件夹 解压缩文件到本地 ShopOperationsServer\_App1 - Computer - OS (C:) - Rockwell - SOS - ShopOperationsServer\_App1 -Search ShopOperativ \_App1 Include in library ▼ Share with ▼ New folder inetpub Date modified Type Size Name + 9/14/2016 8:18 AM bin bin File folder MSOCache 9/14/2016 8:18 AM u conf File folder PerfLogs 9/14/2016 8:18 AM File folder Program Files Program Files (x86) logs | File folder 9/14/2016 8:18 AM ProgramData license-wrapper.txt 3/15/2014 7:02 PM Text Document Recovery Readme.txt 3/15/2014 7:02 PM Text Document Rockwell Backup MSB Oracle PO94, 104081 ShopOperationsServer\_App1 ShopOperationsServer.zip ShopOperationsServer\_App1 6 items

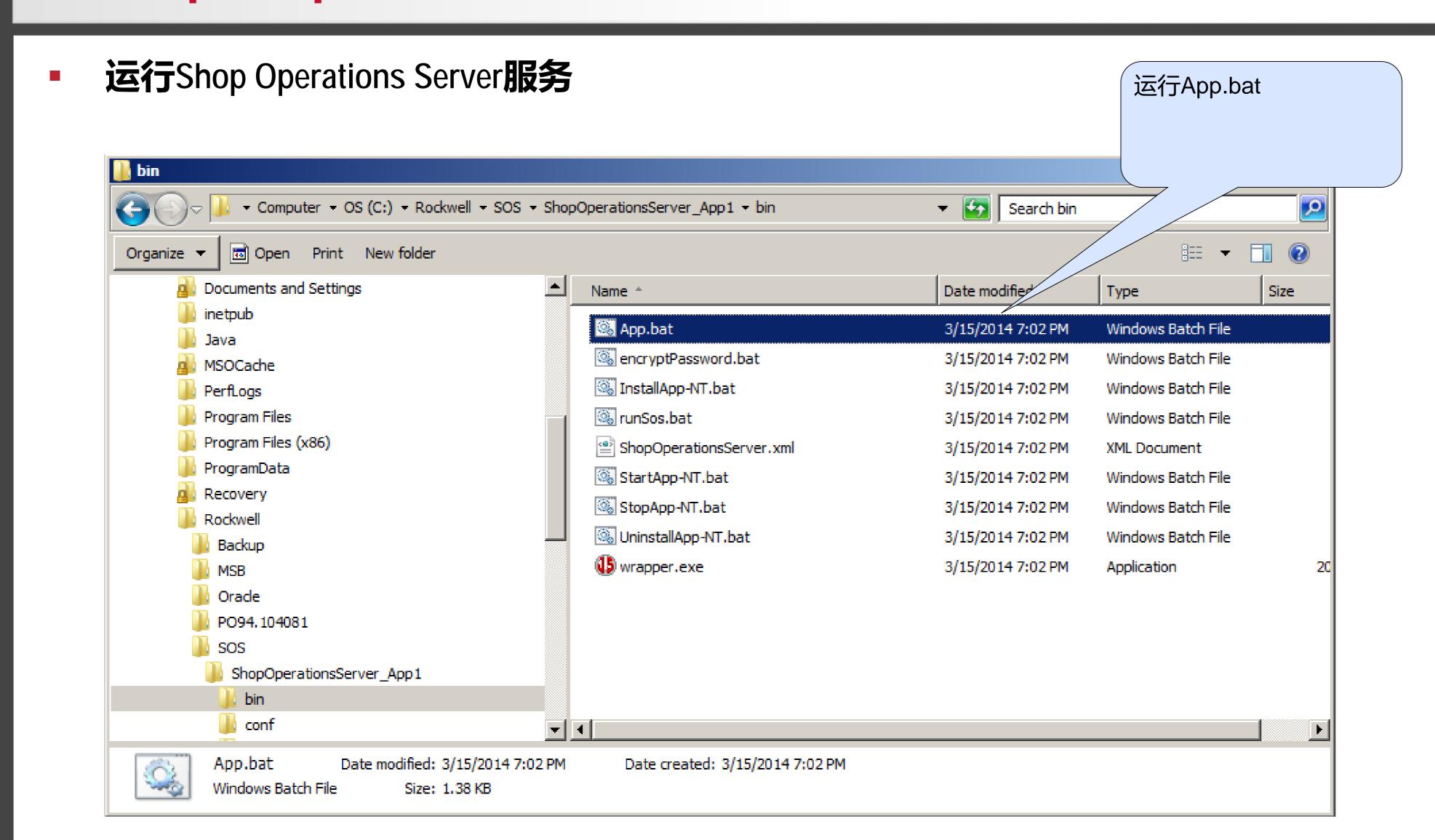
## Shop Operations Server配置

#### ■ 设置JAVA\_HOME变量





## Shop Operations Server配置



## Shop Operations Server配置

■ 命令行运行Shop Operations Server

```
ShopOperationsServer
                                                                                --> Wrapper Started as Console
wrapper
           Launching a JVM...
wrapper
           Wrapper (Version 3.2.3) http://wrapper.tanukisoftware.org
jvm 1
             Copyright 1999-2006 Tanuki Software, Inc. All Rights Reserved.
jvm 1
 vm 1
 vm 1
vm 1
           WARNING - Unable to load the Wrapper's native library because none of
the
jvm 1
                      following files:
                        wrapper-windows-x86-64.dll
ivm 1
                        wrapper.dll
                     could be located on the following java.library.path:
jvm 1
                        C:\Rockwell\SOS\ShopOperationsServer_App1\bin\.
                      Please see the documentation for the wrapper.java.library.p
jvm 1
ath
                     configuration property.
jvm 1
                     System signals will not be handled correctly.
jvm 1
 vm 1
          ShopOperationsServer.xml at: C:\Rockwell\SOS\ShopOperationsServer_App
Í\bin\ShopOperationsServer.xml
           dbString==jdbc:hsqldb:hsql://localhost/xdb
           Connection obtained to existing database: org.hsqldb.jdbc.jdbcConnect
ion@1694ce18
           Executing table create statements on HSQLDB.
         | No need to reattempt table creation as Table already exists: APPLICAT
ONLOG in statement [CREATE TEXT TARLE APPLICATIONLOG]
           Executing write delay set tatement on HSQLDB.

Completed setting write dela value for hsqldb in Environment.result
jvm 1
jvm 1
         | Communication Protocol is Auto-
                                                  very. Trying connecting to server
with RMI/IIOP first...
                                                         langer (org inn. interfaces
      ¦ log4j:WARN No appenders could be 🕰
.TimedSocketFactory).
                                            命令行运行
           log4j:WARN Please initialize t
RMI/IIOP succeeded. Will use R
           Sep 14, 2016 8:42:08 AM com.da
                                                                            Write
           SEVERE: C:\Rockwell\SOS\ShopOp
                                                                           eLibsWin32
.jar\jacob.dll: Can't load IA 32-bit .dll
```

```
_ 🗆 🗆 🗙
ShopOperationsServer
           Sep 14, 2016 8:42:13 AM EventSheetEnvironment logon
           SEVERE: DatasweepException with 1 errors:
Error Msg #1 Unknown Exception : The system could not log you on.
vm 1
jvm 1
           The user name and password are case sensitive, so make sure your user
ivm 1
name and
           password were entered correctly. If you still cannot log on, your pa
ivm 1
ssword mav have
         I expired or your account may be disabled. Please contact your system
jvm 1
administrator.
           DatasweepException with 1 errors
                 at com.datasweep.compatibility.utility.ErrorHandling.createDatas
weepException(Unknown Source)
                 at com.datasweep.compatibility.utility.ErrorHandling.createDatas
weepException(Unknown Source)
                 at com.datasweep.compatibility.manager.ExceptionHandling.toDatas
weepException(Unknown Source)
                 at com.datasweep.compatibility.manager.ServerImpl.login(Unknown
jvm 1
ource)
jvm 1
                 at com.datasweep.compatibility.pnuts.EventSheetEnvironment.logon
(Unknown Source)
                 at com.rockwell.eventmanager.EventManager.start(Unknown Source)
jvm 1
                 at com.rockwell.eventmanager.EventManager.main(Unknown Source) at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
vm 1
ivm 1
vm 1
                 at {	t sun.reflect.Native Method Accessor Impl.invoke (Native Method Acces}
sorImpl.java:57)
                 at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMet
hodAccessorImp\.java:43)
                    _java.lang.reflect.Method.invoke(Method.java:606)
jvm 1
                     vg.tanukisoftware.wrapper.WrapperSimpleApp.run(WrapperSimple
vm 1
App.java:240)
                             g.Thread.run(Thread.java:724)
                 at jac
jvm 1
                       未配置好,会报用户权
```

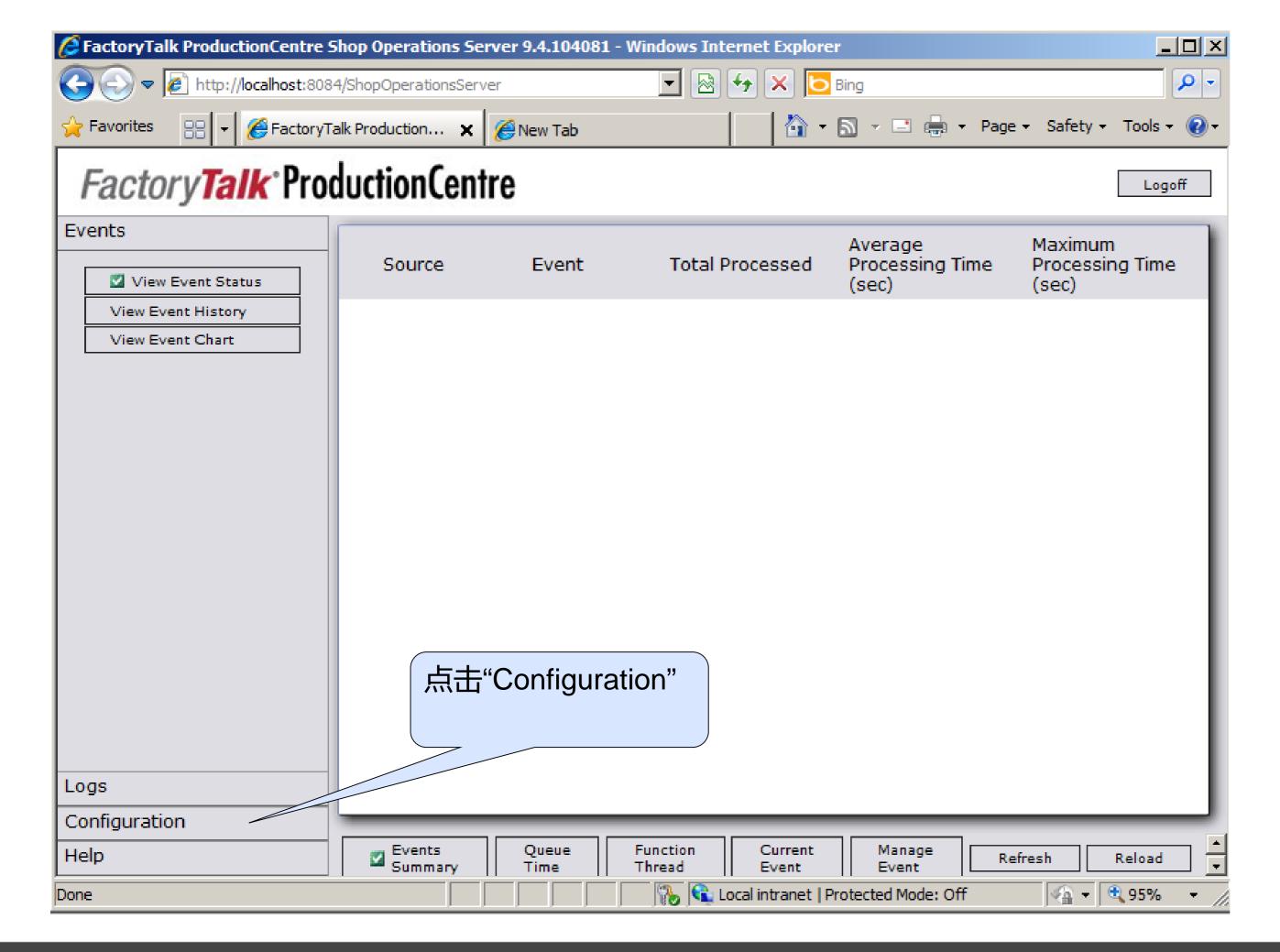
## Shop Operations Server配置

■ 登录Shop Operations Server管理端



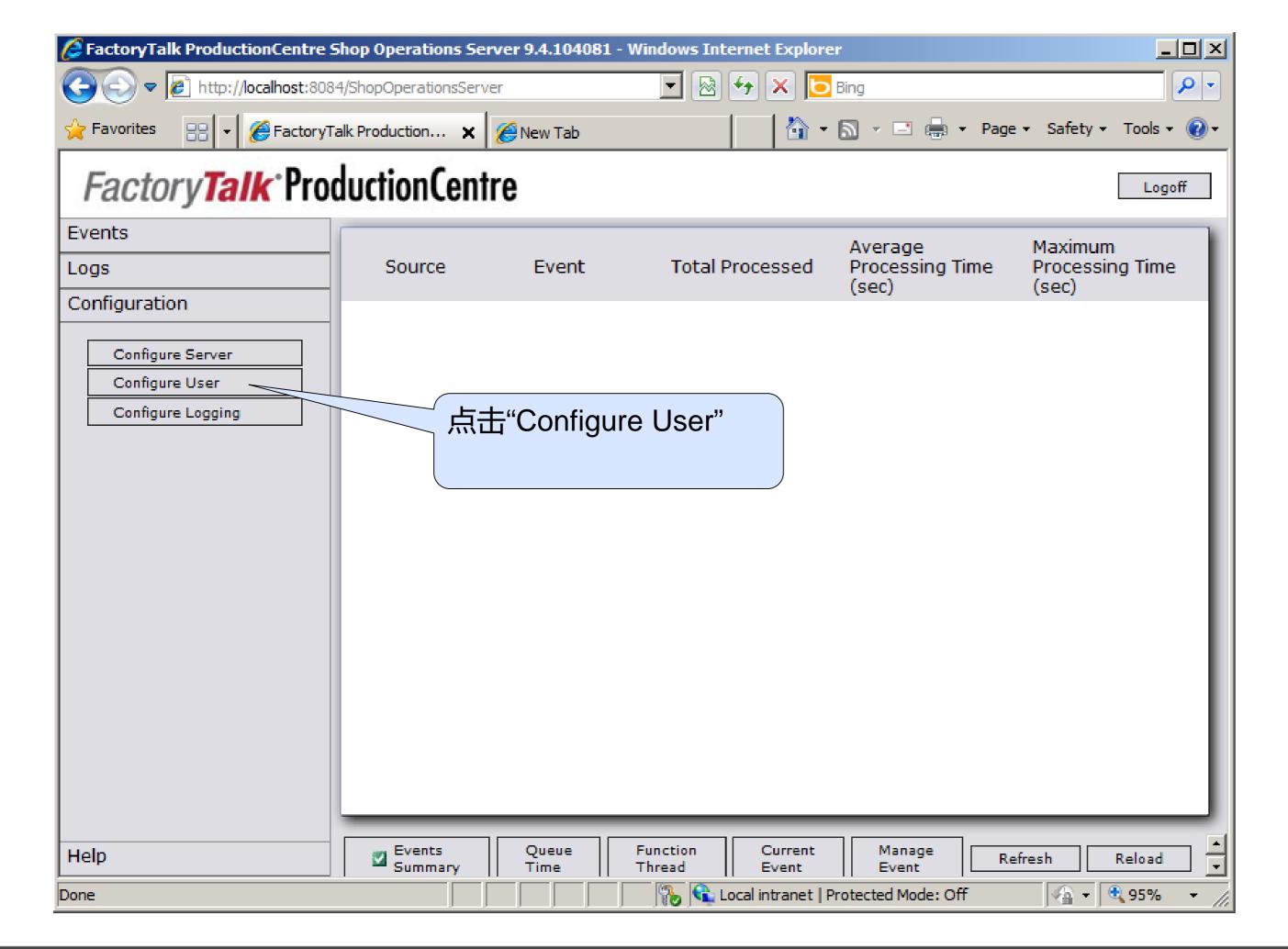
## Shop Operations Server配置

Shop Operations Server 配置



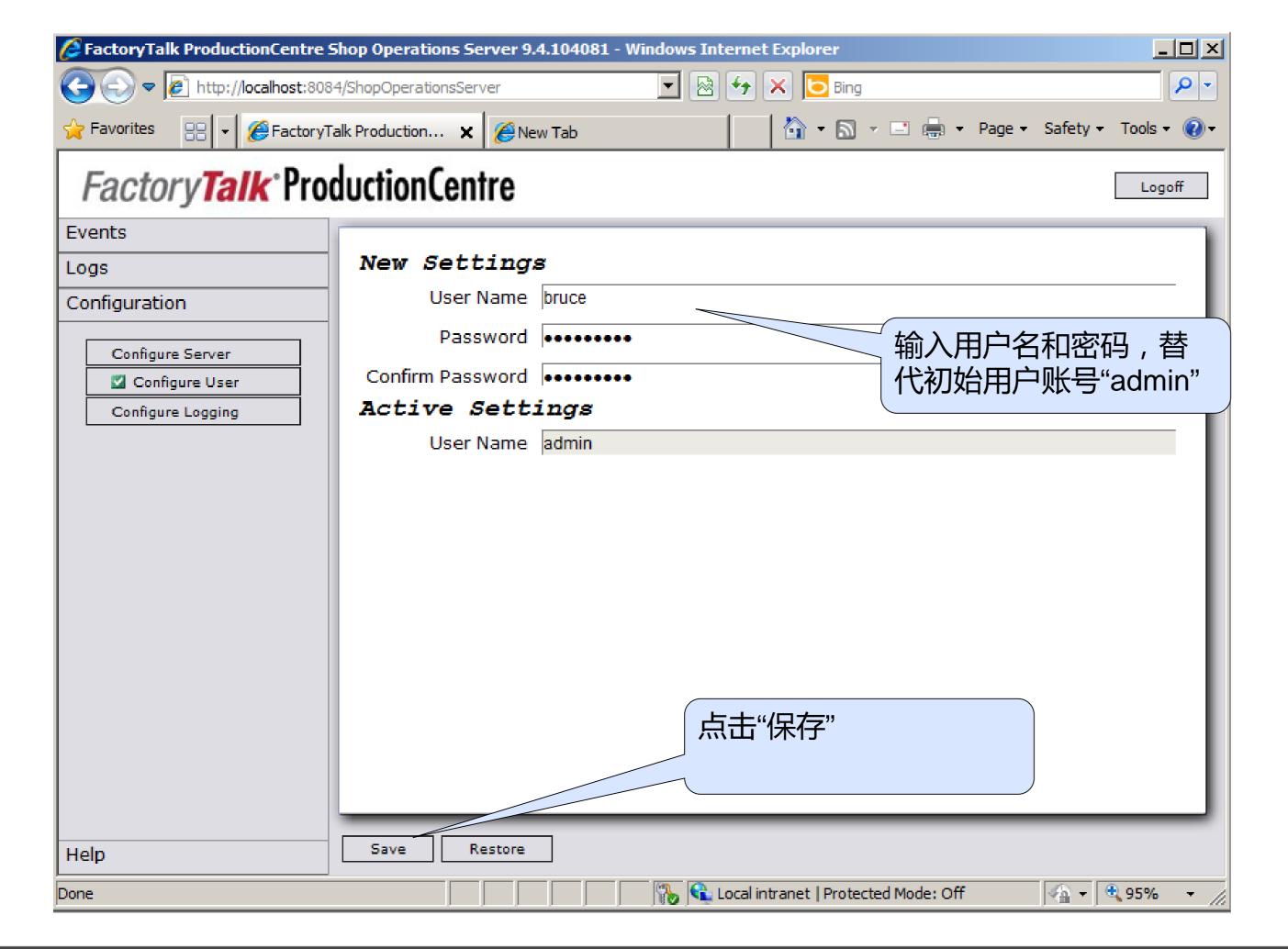
## Shop Operations Server配置

■ Shop Operations Server配置功能项目



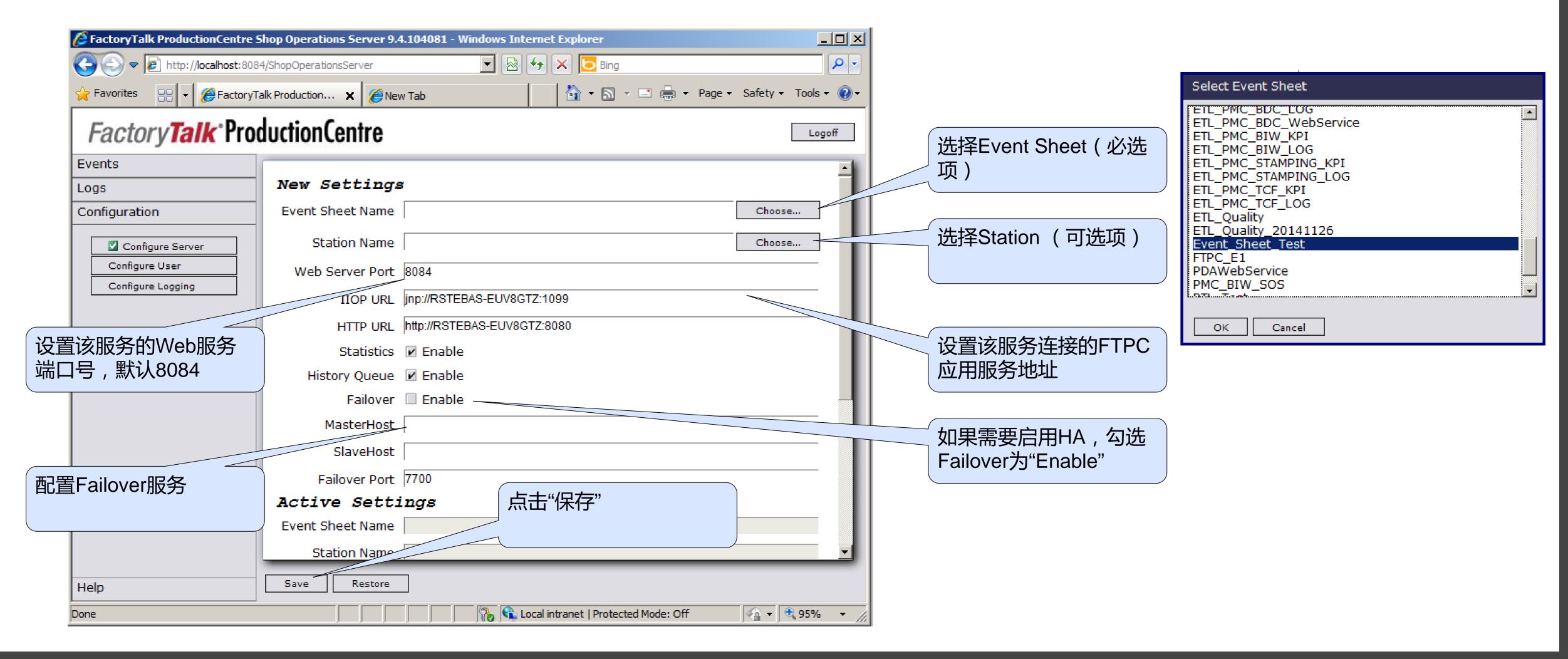
## Shop Operations Server配置

Shop Operations Server配置用户



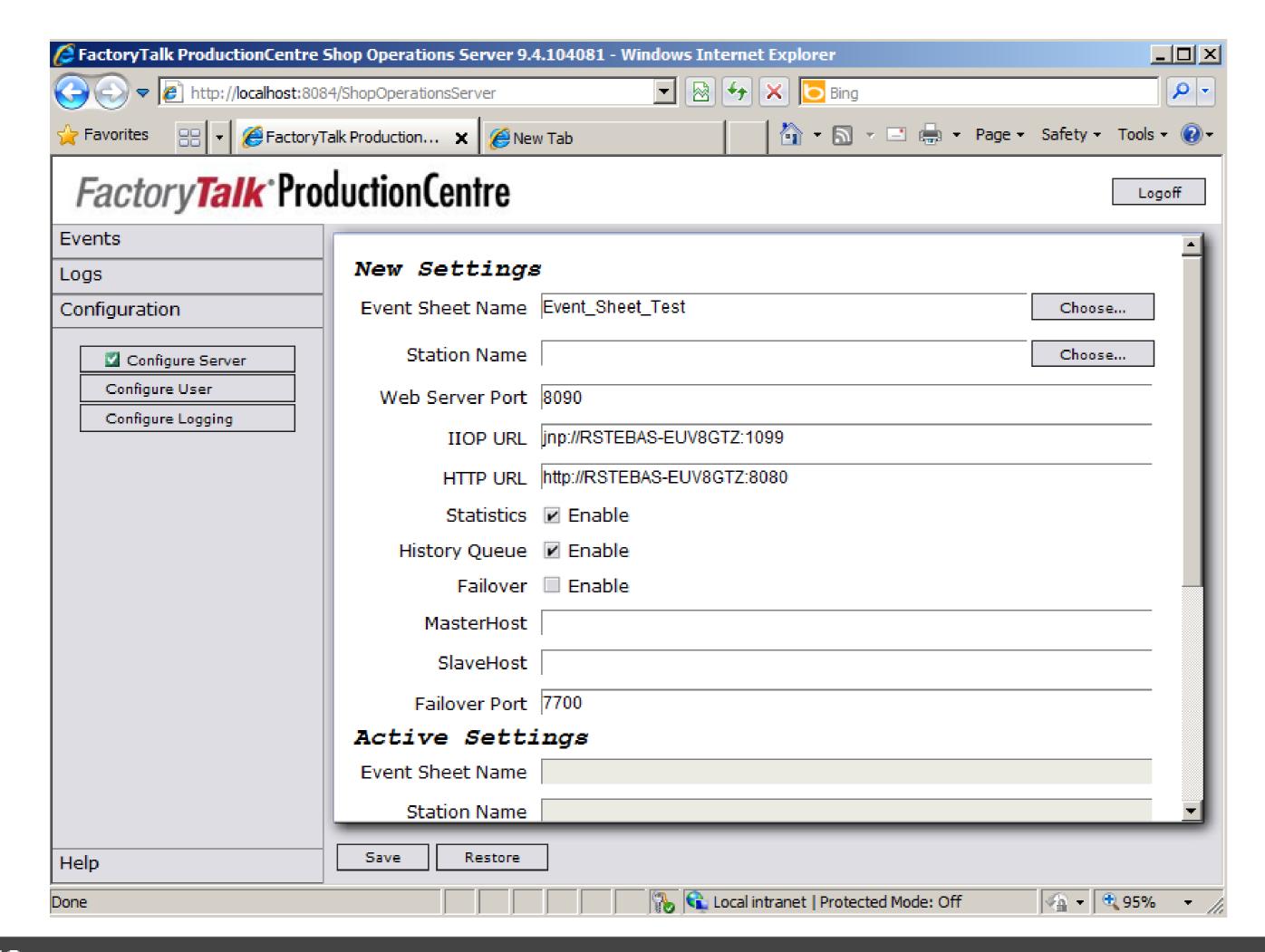
## Shop Operations Server配置

Shop Operations Server配置服务



## Shop Operations Server配置

Shop Operations Server配置服务



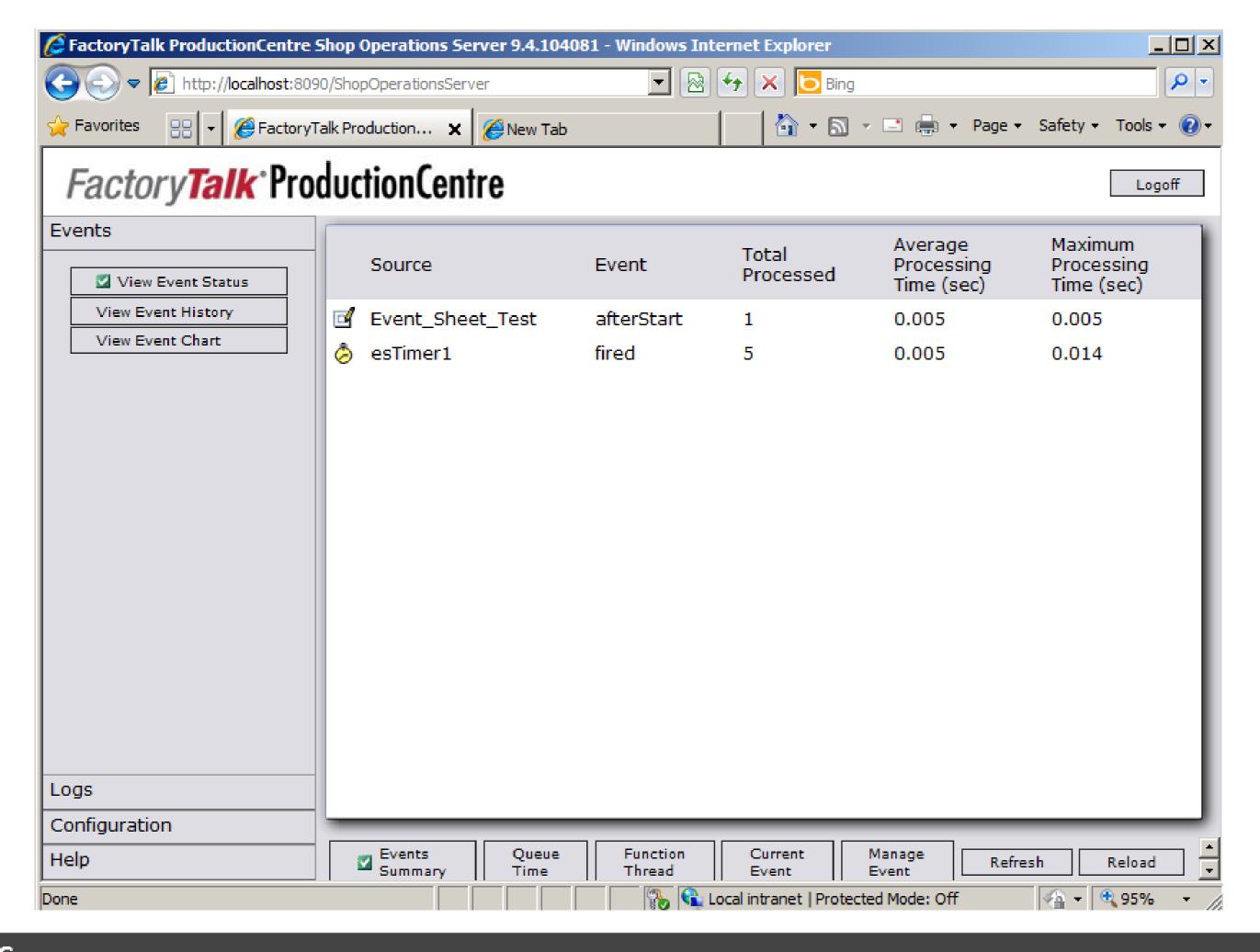
## Shop Operations Server配置

关闭Shop Operations Server命令行,重新运行

```
ShopOperationsServer
                            configuration property.
System signals will not be handled correctly.
 jvm 1
 jvm 1
 ivm 1
jvm 1 | ShopOperationsServer.xml at: C:\Rockwell\SOS\ShopOperationsServer_App
1\bin\ShopOperationsServer.xml
              dbString==jdbc:hsqldb:hsql://localhost/xdb
             Hill attempt to start hsql server as first connection attempt was not
 sucessfaul.
              [Server@657430d3]: [Thread[Thread-1,5,main]]: checkRunning(false) ent
jvm 1
ered
              [Server@657430d3]: [Thread[Thread-1,5,main]]: checkRunning(false) exi
jvm 1
jvm 1 | [Server@657430d3]: Initiating startup sequence...
jvm 1 | [Server@657430d3]: Server socket opened successfully in 1 ms.
jvm 1 | [Server@657430d3]: Database [index=0, id=0, db=file:C:\Users\Labuser\
Application Data\Rockwell Automation\FactoryTalk ProductionCentre\logs\Applicati
onLog\mydb, alias=xdbl opened sucessfully in 162 ms.
jvm 1 | [Server@65743Ød3]: Startup sequence completed in 163 ms.
              [Server@657430d3]: 2016-09-14 09:46:43.511 HSQLDB server 1.8.0 is onl
 ivm 1
            | [Server@657430d3]: To close normally, connect and execute SHUTDOWN SQ
 jum 1
             {            [Server@657430d3]: From command line, use [Ctrl]+[C] to abort abruptl
 jvm 1
              Completed start of hsqldb
 vm 1
               dbString==jdbc:hsqldb:hsql://localhost/xdb
              Executing table create statements on HSQLDB.
              No need to reattempt table creation as Table already exists: APPLICAT
IONLOG in statement [CREATE TEXT TABLE APPLICATIONLOG]
              Executing write delay set statement on HSQLDB.
             Completed setting write delay value for hsqldb in Environment.result
 ivm 1
            | Communication Protocol is Auto-discovery. Trying connecting to server
 with RMI/IIOP first...
        l log4j:WARN No appenders could be found for logger (org.jnp.interfaces
.TimedSocketFactory).
              log4j:WARN Please initialize the log4j system properly. RMI/IIOP succeeded. Will use RMI/IIOP for this session...
 jvm 1
 jvm 1 | Sep 14, 2016 9:46:50 AM com.datasweep.core.eventlog.EventLog Write
jvm 1 | SEVERE: C:\Rockwell\SOS\ShopOperationsServer_App1\lib\NativeLibsWin32
.jar\jacob.dll: Can't load IA 32-bit .dll on a AMD 64-bit platform
            | Service Event_Sheet_Test
```

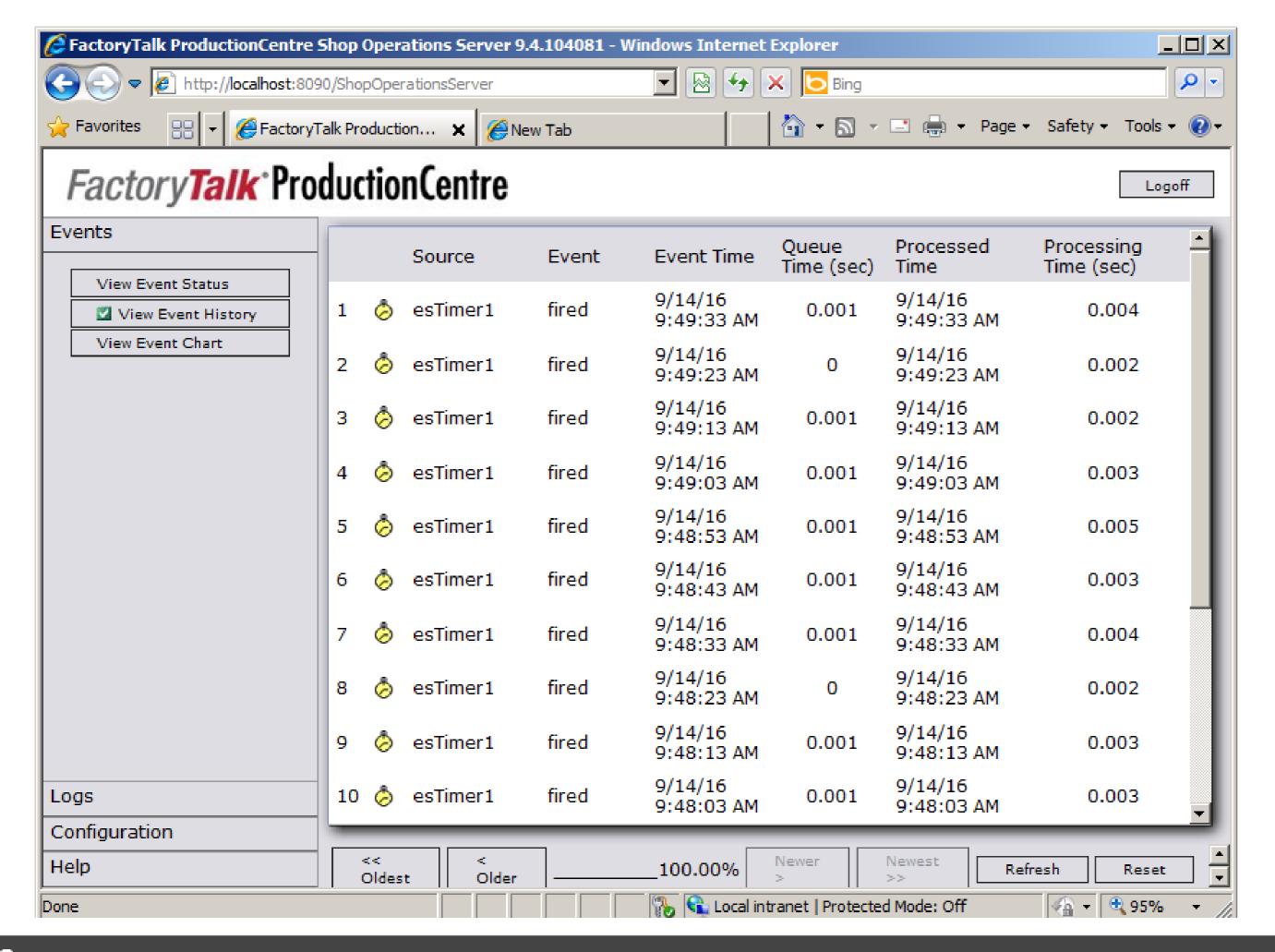
## Shop Operations Server配置

■ 查看Shop Operations Server运行日统计数据



## Shop Operations Server配置

■ 查看Shop Operations Server运行日志



## 内容

## Rockwell Automation

Shop Operations Server介绍

Shop Operations Server配置

QA

QA

#### Rockwell Automation













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