

Advanced DevOps WebLogic Monitoring: Tips & Tricks & DEMO

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Keywords:

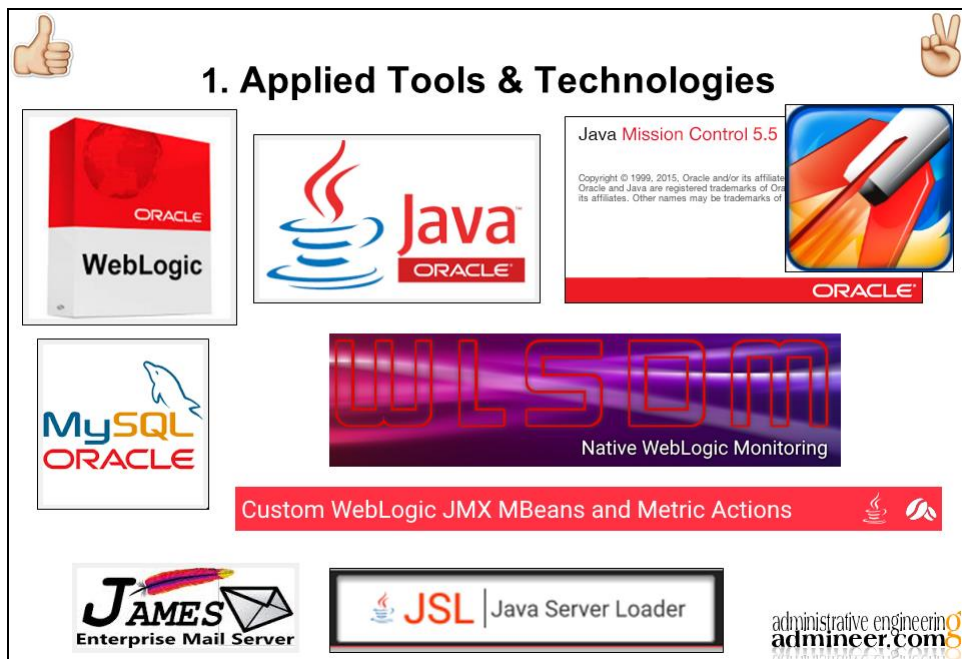
Middleware, WebLogic, DevOps, Monitoring

Introduction

The session is highly technical and there will be live DEMO. Demonstrations would be about; Monitoring WebLogic domain resources, WebLogic behaviour under load, dealing with Hogger/Stuck threads, custom JMX development and DevOps automations.

Applied Tools & Technologies on DEMO

Below tools and technologies going to be used while doing DEMO. At the end of DEMO there could be a burning PC because of load tests :)



Applied Tools for DEMO

- Oracle WebLogic Server (12c: 12.1.3)
- JDK: Java 7 (jdk1.7.0_80)
- JMC: Java Mission Control (5.5)
- Oracle MySQL Database (5.6)
- Apache James Mail Server
- WLSADM: WebLogic Smart Dashboard and Monitoring (v.2.5.2) → by WLSADM
- JSL: Java Server Loader (v.1.0.9) → by ADMINEER (Fevzi Korkutata)
- SuperStore DEMO Web Application → by Fevzi Korkutata
- WLSADMMonitoringSamples JMX Application → by WLSADM
- StuckThreadForFree Web Application → by Frank Munz

Session Agenda and Contents

1. Applied Tools & Technologies
2. Traditional WebLogic Monitoring
3. Advanced WebLogic Monitoring
4. JMX and MBean Objects
5. Important WebLogic JMX MBean Objects
6. Monitoring WebLogic Managed Servers
7. Monitoring WebLogic Deployments
8. Monitoring WebLogic Data Sources
9. Monitoring WebLogic JMS Servers
10. Monitoring WebLogic Thread Pool (HOGGERS/STUCKS)
11. JMC (Java Mission Control), JFR and WebLogic
12. Monitoring WebLogic Backend (SQL, EJB, WebService... etc.)
13. JMX MBean Development
14. Register and Deploy JMX MBeans to WebLogic
15. DEMO: Monitoring WebLogic Domain Resources
16. DEMO: Live Load Test by using JSL (Java Server Loader) and WebLogic Behaviour
17. DEMO: JMX MBean Registration & Deployment
18. DEMO: Trigger Custom Scripts by using JMX and WLSADM
19. Summary
20. Questions & Answers

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