



# SIMPLIFY MIDDLEWARE MIGRATIONS WITH *Windup*

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# THE MIGRATION PROBLEM

WHERE DO YOU BEGIN?

1. YOU CURRENTLY  
USE WEBLOGIC AND  
WEBSPHERE

2. YOU HAVE BEEN  
TASKED WITH  
MIGRATING TO JBOSS

3. YOU ARE  
UNFAMILIAR WITH  
THE APPLICATIONS

# 40 HOURS

1. Check out the sources from version control
2. Determine vendor specific code
3. Determine vendor specific configuration files
4. Find resource references
  1. Databases
  2. Queues
  3. JMX Resources ...



# 20 APPLICATIONS

- 40 hours per application
- 800 total work hours

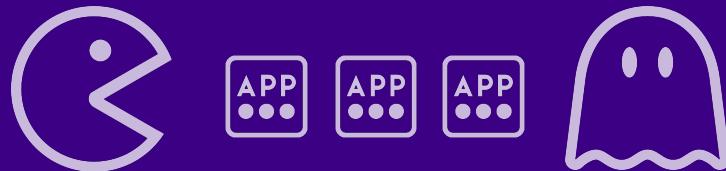




# 20 APPLICATIONS

20 WEEKS





# 250 APPLICATIONS

- 40 hours per application
- 10,000 total work hours





# 250 APPLICATIONS

5 YEARS



THERE  
MUST BE  
A BETTER WAY



windup

# AGENDA

# AGENDA

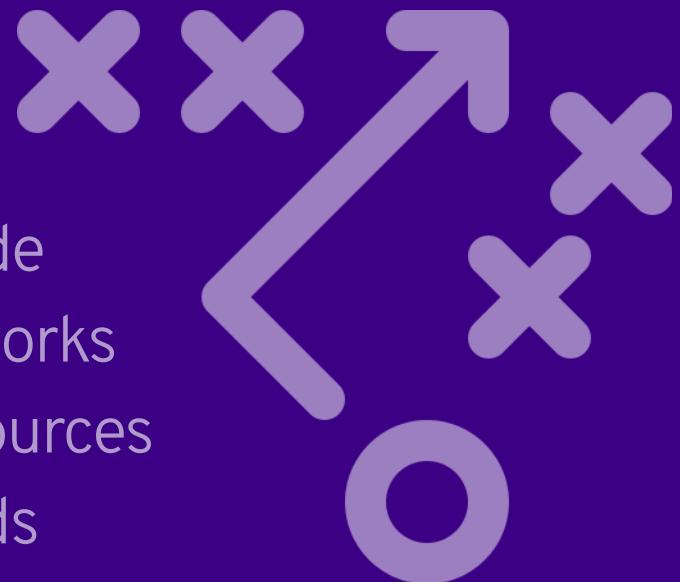
- Goals of Windup
- Using Windup to plan large-scale migrations
- Using Windup to implement a migration
- Extending Windup to meet your needs

# GOALS OF WINDUP

## ONE STEP AT A TIME

## WINDUP HELPS YOU

- Promote standards
- Migrate to non-proprietary code
- Upgrade / standardize frameworks
- Find deprecated code and resources
- Create organizational standards



## WINDUP SHOWS YOU

- Proprietary libraries
- Proprietary configurations
- Service locators
- Web Services
- EJB descriptors
- Deprecated Java code



## WINDUP SHOWS YOU

- Transaction managers
- Injection frameworks
- Thread pooling mechanisms
- Timer services
- WAR/EAR descriptors
- IP addresses



# **USING WINDUP**

## **TO PLAN LARGE-SCALE MIGRATIONS**

## ESTIMATE THE JOB

- Who needs to be involved?
- How complex is the task?
- Where should we begin?



# DEMO

# **USING WINDUP**

## **TO IMPLEMENT A MIGRATION**

## ACTUALLY DO THE WORK

- Identify problems
- Change code
- Update configurations
- Replace frameworks



# DEMO

# EXTENDING WINDUP

## TO MEET YOUR NEEDS

## CUSTOM RULES

- For your own custom libraries / frameworks
- For scenarios that the tool isn't familiar with
- To create standards in your organization



# DEMO

# RECAP

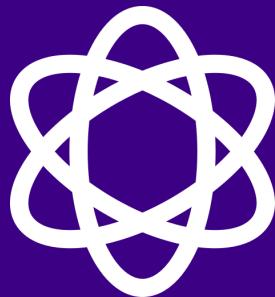
GET YOUR MIGRATION ON

# WINDUP HELPS YOU

Estimate → Plan → Implement → Succeed

Q / A





**LEARN MORE**  
**STAY IN THE LOOP**

<http://windup.jboss.org>

<https://github.com/windup/windup>

<https://issues.jboss.org/browse/WINDUP>

[@JBossWindup](#)