

Using Virtualized Systems to Improve Preparedness & Operation

Monday, September 25, 2017

2017 OpenVMS Bootcamp
Westford Regency Conference Center
Westford, Massachusetts

Robert Gezelter Software Consultant

Introduction

&^%*# happens

Problem

Solutions

Preparedness

Summary

Introduction

Robert Gezelter Software Consultant

Introduction

&^%*# happens

Problem

Solutions

Preparedness

Summary

“Planning is the prelude to successful action”
- fortune cookie

Robert Gezelter Software Consultant

Introduction

&^%*# happens

Problem

Solutions

Preparedness

Summary

- “Failure is not an option” – Eugene Kranz
- The original quote, reportedly from Flight Controller Jerry Bostick included “When bad things happen ...”
- Counting development, failure is more common

Duplicate Setups are Expensive

- Duplicating Production Hardware is expensive
- Space is expensive
- Training scenarios require setup
- Ability to stop/reset

Preparing for the Inevitable

- Staff training
- Exercises

Simulation vs. Simulators

- Simulations test workloads
- Simulators provide training opportunities

Simulators

- Simulators are easy to restart
- Simulators are easy to rerun
- Allow one to safely experiment with danger
- Simulators are easy to roll back

Why simulators?

- Exercise is mandatory
- How often does your system reboot?
- How many staff can handle a simple reboot?
- How many staff can handle a complex reboot?

Summary

- Bad things happen
- Individual programs will fail
- Uncontrolled crashes are avoidable
- Constructively use failures to identify correction

Questions?

Robert Gezelter Software Consultant
35 – 20 167th Street, Suite 215
Flushing, New York 11358 – 1731
United States of America

+1 (718) 463 1079
gezelter@rlgsc.com
<http://www.rlgsc.com>

Session Notes & Materials:

<http://www.rlgsc.com/openvms-bootcamp/2017/index.html>