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GOPS

全球运维大会 2018

2018.4.13-4.14

中国·广东·深圳·南山区 圣淘沙大酒店（翡翠店）





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纵观全球：运维的过去、现在与未来

**梁胜 , Rancher Labs Co-Founder and
CEO**

运维的过去

1. IBM , Oracle , SAP
2. Change Management
3. Lockdown



DevOps Spectrum



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Risk Tolerance

Agility

Major Risks



Reliability

SRE

Security

SSE?

AIOps



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Biggest difference between tier-1 web companies and rest of the industry

People





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DevOps (a clipped compound of "development" and "operations") is a software engineering culture and practice that aims at unifying software development (Dev) and software operation (Ops).

Wikipedia

Founder, CTO	Docker	Jul 2013 – Present
Founder, CEO	dotCloud	Jun 2010 – Jul 2013
Solutions engineer	SmartJog	Sep 2006 – Nov 2007
Infrastructure engineer	CEIS	May 2004 – Sep 2006
Junior software engineer	San Diego Supercomputer Center	Jul 2002 – Dec 2002
Bachelor, Information Technology	European Institute of Technology	2001 – 2004



Solomon Hykes
Inventor of Docker



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Reliability

Reliability
Engineer



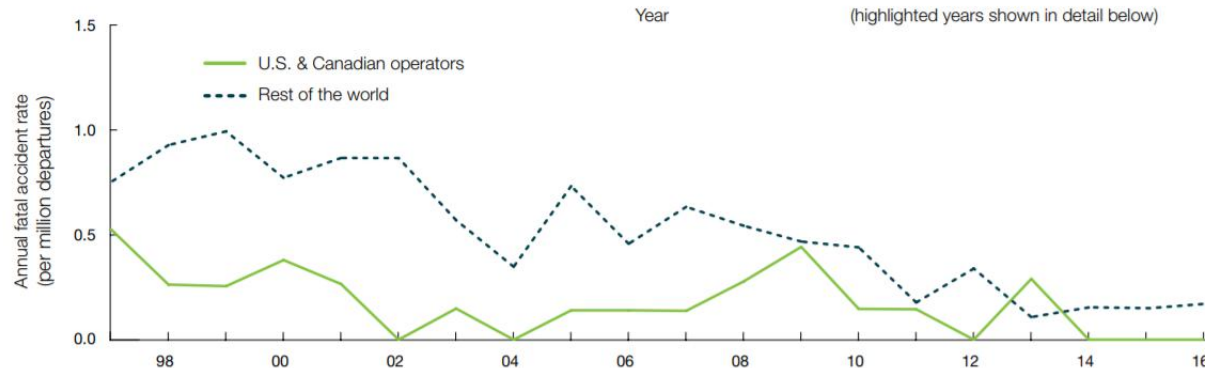
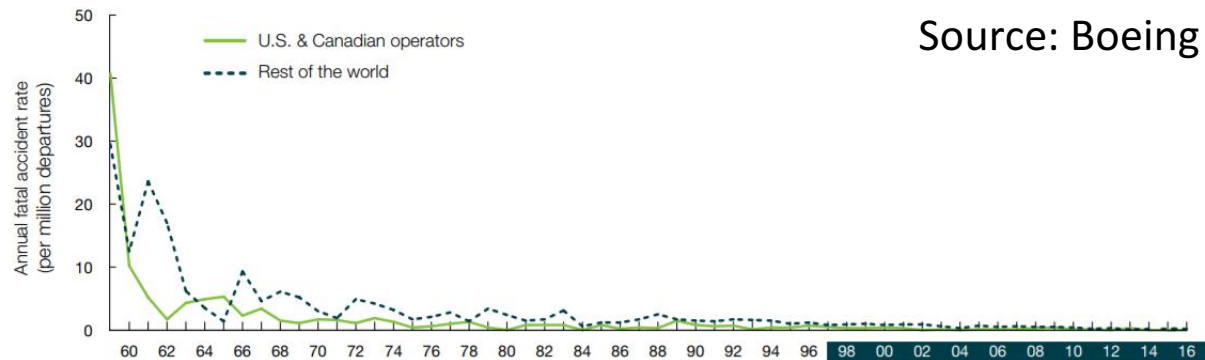
Security
Engineer

Security

U.S. and Canadian Operators Accident Rates by Year

Fatal Accidents | Worldwide Commercial Jet Fleet | 1959 through 2016

Source: Boeing



BA Flight 38 (Beijing to London, Jan 17 2008)



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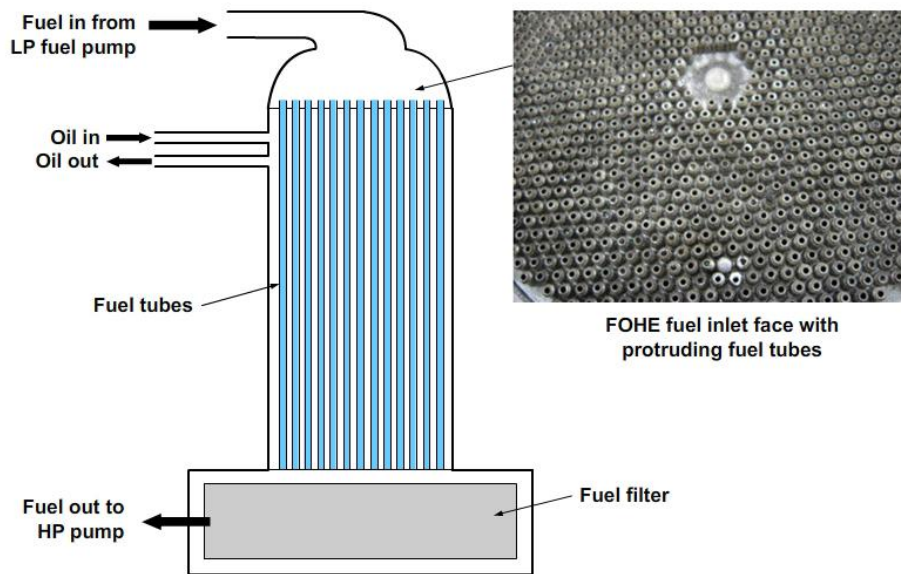
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Root Cause Analysis (RCA)



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Fuel Oil Heat Exchanger (FOHE)

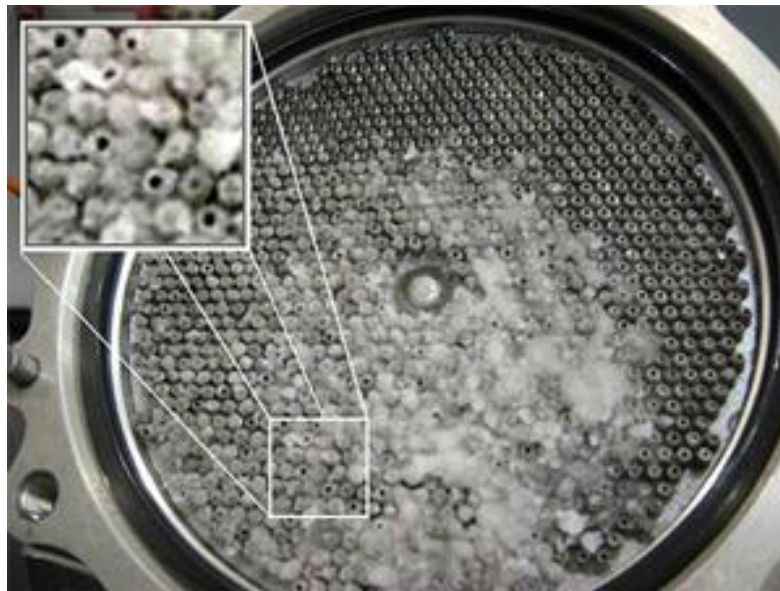


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Failure Reproduction



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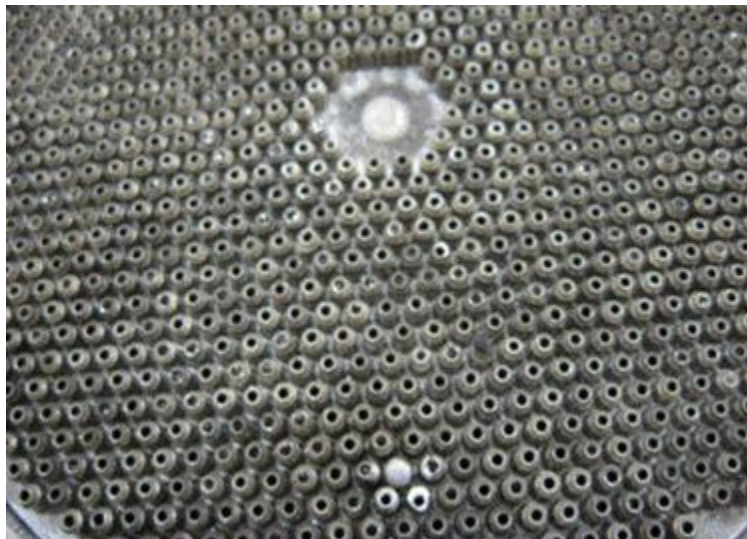


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Fix



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http://lessonslearned.faa.gov/ll_main.cfm?TabID=4&LLID=79&LLTypeID=2

Evolution of airplane cockpit



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Boeing 747-100



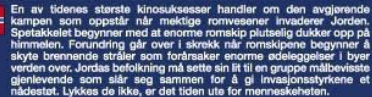
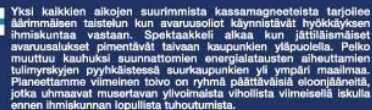
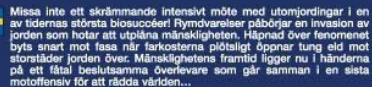
Boeing 747-8

The Apollo-Saturn Launch Control Center



Netflix运维中心





Smart Menu Technology



- Scene Specific Audio Commentary by Director Roland Emmerich and Producer Dean Devlin
- Audio Commentary by Oscar® Winning FX Supervisors Volker Engel and Dough Smith
- Trivia Track
- Alien Scavenger Hunt (Java Game)
- Gag Reel
- Theatrical Trailers and *Fantastic Four* trailer

INDEPENDENCE DAY



INDEPENDENCE DAY

Rek. från 11 år



DEPENDENCE DAY - MAMA MOJER SITE



WET / SPN

DANMARK

INDEPENDENCE DAY

15 **WILLADY**
FOR BORN ON



INDEPENDENCE DAY



Registret: 6137 ALDER 1

TWENTIETH CENTURY FOX PRESENTS A CENTROPOLIS ENTERTAINMENT PRODUCTION A ROLAND EMMERICH FILM
 WILL SMITH BILL PULLMAN JEFF GOLDBLUM "INDEPENDENCE DAY" MARY MCCONNELL JUDD HIRSCH MARGARET COLIN RANDY QUAD
 ROBERT LOGGIA JAMES REAGHAN HARVEY FINESTEIN MUSIC BY JOSEPH PARRA COSTUME DESIGNER VOLMER ENGEL DOUGLAS SMITH EDITOR DAVID ARNOLD
 EXECUTIVE PRODUCERS DAVID BRENNER PRODUCED BY PATRICK TRIPOPOULOS WRITTEN BY OLIVER SCHILL DIRECTED BY HARALD WALTER LINENBAUM
 EXECUTIVE PRODUCERS ROLAND EMMERICH EXECUTIVE PRODUCERS WILLIAM FOX WRITTEN BY DEAN DEYAN PRODUCED BY DEAN DEYAN DIRECTED BY ROLAND EMMERICH

Master Audio

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Tärkeä Huomio! Huomenna on suomenkielinen koulukokous. Kokouksessa käsitellään mm. koulun toimintasuunnitelmaa ja koulun talousarvioa. Kokoukseen on tervetuloa kaikki koulun henkilökunta ja vanhemmat. Kokouksen puolesta: Koulun johtaja, Kari Kumpulainen. Puh. 040 555 1111. www.koulunjohtaja.fi

Anmerk: Deltagelsesticketetene til denne Run-platen svarer på Runge AS. Programmet holdes uanset hvilket helge. Arrangementet. Du skal påføre navn på billetten, og du kan anvende til privat bruk, da fremvisning skal vedlegges i privat hjem. All annen bryllups, markedsføring, kjøping, bill eller delfin, og offentlig fremvisning anerkjennes forbudt.

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WIDESCREEN VERSION: PRESENTED IN A LETTERBOX WIDESCREEN FORMAT PRESERVING THE ASPECT RATIO OF ITS ORIGINAL THEATRICAL EXHIBITION

F1-BSCA 04118



THIS DISC IS COPY-PROTECTED



1080p

BEYOND HIGH DEFINITION



457849

Reliability

Security

Decentralized

Trustless





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Thanks