

# BECOME AN APPLICATION SUPER-HERO

MINIMIZE APPLICATION DOWNTIME  
AND ACCELERATE TIME TO RESOLUTION

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# INTRODUCTION

- For those new to FusionReactor, why it's so valuable for server troubleshooting
- For those already using it, show what's coming in FR 6
- Show coming new FR 6 Cloud deployment option
- Show coming new Unattended Production Debugger (UDP)

## ABOUT INTERGRAL

- Intergral GmbH, founded in 1998
- Headquarters located in the Technology & Business Park, Stuttgart, Germany
  - Other offices in UK (Intergral Ltd. - 2008), USA (Intergral Inc. – 2011)
- Global customer base – 3500+ customers
- Frequent sponsor, contributor to CF events around the world



# MOST OF SESSION WILL BE LIVE DEMOS

- A few key points to understand before that...

# WHY USE FUSIONREACTOR

- More than just a monitor!
  - Can watch what's going on now as well as historically
    - In interface and in substantial logs, and soon in cloud-based deployment
  - FR can automatically watch for when certain common problems arise
    - Can alert you and even possibly protect server
  - Can view details of currently running request down to line of code (stack trace)
  - All this is vital to understanding real nature of problems
- And new UDP changes the game entirely. Not monitoring but FIXING problems!

## WHO CAN USE FUSIONREACTOR?

- FR is intended for use constantly on production servers
- Can monitor more than just ColdFusion: including Railo/Lucee, BD
  - Indeed any JEE server or Java app, including Solr, etc.
- Low-cost license is per server (physical or virtual)
  - Price starts at just US\$24/month, including maintenance/updates
  - Only one license needed for all app servers/instances on a given server
  - Available 14-day free trial
- Note: demos to follow are showing FR6 beta

# DEMOS - MONITORING

- Running requests
- Request history
  - Recent, longest-running since startup, recently slow
- Database activity
  - Again: not just cfquery but cfstoredproc, ORM, client storage, indeed any JDBC operations
- CFHTTP processing, CFApplication processing
- Errors (and requests by return code)
- User agents and other headers
- Sessions
- Memory spaces, garbage collection, class loading, thread activity, and more
- User experience

## DEMOS - DIAGNOSING

- Stack traces
- Alerts
- Force Garbage Collection
- Daily reports
- Logs
- Enterprise Dashboard (web, AIR, and mobile)



# STILL MANY MORE FEATURES, BUT NO TIME TO COVER THEM ALL

- Protection: can kill, queue, and/or reject requests depending on conditions
  - Interactively via interface, or automatically via alerts
- Transactions (indicated programmatically in code)
- Log configurability
  - And viewability of most recent log data within FR interface
- Content filtering/replacement
- Content capture (incoming and outgoing)
- Compression
- 3 available levels of user access
- Installation, FRAM
- Online help

# WHAT'S NEW IN FUSIONREACTOR 6

- New system metrics, with still further details on each resource
- New CF metrics
- Tracking by application
  - See especially requests, jdbc, transactions, resp code pages (activity and history)
    - can see app/trx name as column, can sort on it
    - can even filter by app name
- Enhanced session tracking (including by application)
- Optional SQL “explain” information for very slow queries
- Tail feature when viewing logs within interface
- Advanced stack trace assistance with online source code decompilation
- And more to come

## WHAT'S COMING IN FR 6 CLOUD DEPLOYMENT OPTION

- Monitor interface runs in the cloud
  - FR on your monitored app server sends data to that cloud platform
- Can still view running requests—it's all really fast!
- Can view information over longer times, including restarts/while offline

# WHAT'S THIS NEW UNATTENDED PRODUCTION DEBUGGER (UDP)?

- Let me introduce Intergral CEO, David Tattersall

## CONSIDER OTHER FUSION TOOLS

- FusionAnalytics
  - For more, see [fusion-analytics.com](http://fusion-analytics.com)
    - live demo, docs, online videos, discussion list and more
- FusionDebug
  - See [fusion-debug.com](http://fusion-debug.com)

## GETTING HELP WITH FR

- Can find more info at [fusion-reactor.com](http://fusion-reactor.com)
  - Docs, technotes, videos, blog, discussion list, live demo, and more
- Don't struggle with understanding how to install, use, solve problems with FR
  - Search, read, ask ([support@fusion-reactor.com](mailto:support@fusion-reactor.com) or the discussion list)
  - [CFConsultant.com](http://CFConsultant.com)

# SUMMARY

- Again, had two primary goals
  - Introduce it to those new to it, to appreciate how useful it can be
  - Show what's new and coming (FR 6, Cloud, UDP)
  - Did we achieve our objective?
  - Thank you, and enjoy the rest of the conference
    - Don't forget to offer your session reviews