Mission Statement
The RG DevOps Performance Working Group fosters and facilitates research in combining software performance engineering (SPE) and application performance management (APM) activities, e.g., by experience sharing, agreement on definitions, specification of metrics, and dissemination of novel methods, techniques, and tools for quantitative evaluation.

General Topics of Interest
• Performance and workload model extraction
  • Dynamic/adaptive instrumentation techniques
  • Combination of static and dynamic analysis
• Feedback between development (Dev) and operations (Ops)
  • Interchange formats for metrics and models
  • Process models to better integrate SPE and APM activities
• Runtime performance management techniques
  • Automatic problem detection, diagnosis, and resolution
• Load testing
• Benchmarks for SPE and APM methods, techniques, and tools

SPE and APM Integration
• SPE
  • Requirements
  • Design
  • Implementation
• APM
  • Deployment
  • Testing
  • Operations

Current Members (Dec. 2014)
- fortiss
- NOVATEC
- University of Stuttgart
- KIT
- CAU
- Universität Würzburg

Current Activities
• Technical report on DevOps Performance
• Presentation of existing methods and techniques
• Landscaping of performance model extraction approaches
• Joint publications

Interested to join? Learn more: http://research.spec.org/devopswg
• Bi-weekly meetings via teleconference
• The next face-to-face meeting will be held in Würzburg, Germany in February 2015

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