

Splunk Operational Intelligence Cookbook

Third Edition

Over 80 recipes for transforming your data into
business-critical insights using Splunk



By Josh Diakun, Paul R. Johnson
and Derek Mock

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Splunk Operational Intelligence Cookbook - Second Edition Paul R. Johnson,Derek Mock,Josh Diakun,2016-06-07 With expert guidance and over 70 recipes this book gets you up and running with the latest features of Splunk Enterprise By showing you how to leverage your business insights it equips you with the skills you need to use Splunk for monitoring and analyzing big data through dashboards and visualizations

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sure you're taking advantage of it Style and approach Splunk is an excellent platform that allows you to make sense of machine data with ease The adoption of Splunk has been huge and everyone who has gone beyond installing Splunk wants to know how to make most of it This book will not only teach you how to use Splunk in real world scenarios to get business insights but will also get existing Splunk users up to date with the latest Splunk 6.3 release [Splunk Operational Intelligence Cookbook](#) Josh Diakun,Paul R. Johnson,Derek Mock,2018-05-28 Leverage Splunk's operational intelligence capabilities to unlock new hidden business insights and drive success Key Features Tackle any problems related to searching and analyzing your data with Splunk Get the latest information and business insights on Splunk 7.x Explore the all new machine learning toolkit in Splunk 7.x Book Description Splunk makes it easy for you to take control of your data and with Splunk Operational Cookbook you can be confident that you are taking advantage of the Big Data revolution and driving your business with the cutting edge of operational intelligence and business analytics With more than 80 recipes that demonstrate all of Splunk's features not only will you find quick solutions to common problems but you'll also learn a wide range of strategies and uncover new ideas that will make you rethink what operational intelligence means to you and your organization You'll discover recipes on data processing searching and reporting dashboards and visualizations to make data shareable communicable and most importantly meaningful You'll also find step by step demonstrations that walk you through building an operational intelligence application containing vital features essential to understanding data and to help you successfully integrate a data driven way of thinking in your organization Throughout the book you'll dive deeper into Splunk explore data models and pivots to extend your intelligence capabilities and perform advanced searching with machine learning to explore your data in even more sophisticated ways Splunk is changing the business landscape so make sure you're taking advantage of it What you will learn Learn how to use Splunk to gather analyze and report on data Create dashboards and visualizations that make data meaningful Build an intelligent application with extensive functionalities Enrich operational data with lookups and workflows Model and accelerate data and perform pivot based reporting Apply ML algorithms for forecasting and anomaly detection Summarize data for long term trending reporting and analysis Integrate advanced JavaScript charts and leverage Splunk's API Who this book is for This book is intended for data professionals who are looking to leverage the Splunk Enterprise platform as a valuable operational intelligence tool The recipes provided in this book will appeal to individuals from all facets of business IT security product marketing and many more Even the existing users of Splunk who want to upgrade and get up and running with Splunk 7.x will find this book to be of great value

Splunk: Enterprise Operational Intelligence Delivered Betsy Page Sigman,Erickson Delgado,Josh Diakun,Paul R. Johnson,Derek Mock,Ashish Kumar Tulsiram Yadav,2017-02-28 Demystify Big Data and discover how to bring operational intelligence to your data to revolutionize your work About This Book Get maximum use out of your data with Splunk's exceptional analysis and visualization capabilities Analyze and understand your operational data skillfully using this end to

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macros Package a Splunk application using best practices Publish a Splunk application to the Splunk community In Detail Splunk provides a platform that allows you to search data stored on a machine analyze it and visualize the analyzed data to make informed decisions The adoption of Splunk in enterprises is huge and it has a wide range of customers right from Adobe to Dominos Using the Splunk platform as a user is one thing but customizing this platform and creating applications specific to your needs takes more than basic knowledge of the platform This book will dive into developing Splunk applications that cater to your needs of making sense of data and will let you visualize this data with the help of stunning dashboards This book includes everything on developing a full fledged Splunk application right from designing to implementing to publishing We will design the fundamentals to build a Splunk application and then move on to creating one During the course of the book we will cover application data objects permissions and more After this we will show you how to enhance the application including branding workflows and enriched data Views dashboards and web frameworks are also covered This book will showcase everything new in the latest version of Splunk including the latest data models alert actions XML forms various dashboard enhancements and visualization options with D3 Finally we take a look at the latest Splunk cloud applications advanced integrations and development as per the latest release Style and approach This book is an easy to follow guide with lots of tips and tricks to help you master all the concepts necessary to develop and deploy your Splunk applications

Splunk 7.x Quick Start Guide James H. Baxter, 2018-11-29 Learn how to architect implement and administer a complex Splunk Enterprise environment and extract valuable insights from business data Key Features Understand the various components of Splunk and how they work together to provide a powerful Big Data analytics solution Collect and index data from a wide variety of common machine data sources Design searches reports and dashboard visualizations to provide business data insights Book Description Splunk is a leading platform and solution for collecting searching and extracting value from ever increasing amounts of big data and big data is eating the world This book covers all the crucial Splunk topics and gives you the information and examples to get the immediate job done You will find enough insights to support further research and use Splunk to suit any business environment or situation Splunk 7 x Quick Start Guide gives you a thorough understanding of how Splunk works You will learn about all the critical tasks for architecting implementing administering and utilizing Splunk Enterprise to collect store retrieve format analyze and visualize machine data You will find step by step examples based on real world experience and practical use cases that are applicable to all Splunk environments There is a careful balance between adequate coverage of all the critical topics with short but relevant deep dives into the configuration options and steps to carry out the day to day tasks that matter By the end of the book you will be a confident and proficient Splunk architect and administrator What you will learn Design and implement a complex Splunk Enterprise solution Configure your Splunk environment to get machine data in and indexed Build searches to get and format data for analysis and visualization Build reports dashboards and alerts to deliver critical insights Create knowledge

objects to enhance the value of your data Install Splunk apps to provide focused views into key technologies Monitor troubleshoot and manage your Splunk environment Who this book is for This book is intended for experienced IT personnel who are just getting started working with Splunk and want to quickly become proficient with its usage Data analysts who need to leverage Splunk to extract critical business insights from application logs and other machine data sources will also benefit from this book

Improving Your Splunk Skills James D. Miller, Paul R. Johnson, Josh Diakun, Derek Mock, 2019-08-22 Transform machine generated data into valuable business insights using the powers of Splunk Key Features Explore the all new machine learning toolkit in Splunk 7 x Tackle any problems related to searching and analyzing your data with Splunk Get the latest information and business insights on Splunk 7 x Book Description Splunk makes it easy for you to take control of your data and drive your business with the cutting edge of operational intelligence and business analytics Through this Learning Path you ll implement new services and utilize them to quickly and efficiently process machine generated big data You ll begin with an introduction to the new features improvements and offerings of Splunk 7 You ll learn to efficiently use wildcards and modify your search to make it faster You ll learn how to enhance your applications by using XML dashboards and configuring and extending Splunk You ll also find step by step demonstrations that ll walk you through building an operational intelligence application As you progress you ll explore data models and pivots to extend your intelligence capabilities By the end of this Learning Path you ll have the skills and confidence to implement various Splunk services in your projects This Learning Path includes content from the following Packt products Implementing Splunk 7 Third Edition by James Miller Splunk Operational Intelligence Cookbook Third Edition by Paul R Johnson Josh Diakun et al What you will learn Master the new offerings in Splunk Splunk Cloud and the Machine Learning Toolkit Create efficient and effective searches Master the use of Splunk tables charts and graph enhancements Use Splunk data models and pivots with faster data model acceleration Master all aspects of Splunk XML dashboards with hands on applications Apply ML algorithms for forecasting and anomaly detection Integrate advanced JavaScript charts and leverage Splunk s API Who this book is for This Learning Path is for data analysts business analysts and IT administrators who want to leverage the Splunk enterprise platform as a valuable operational intelligence tool Existing Splunk users who want to upgrade and get up and running with Splunk 7 x will also find this book useful Some knowledge of Splunk services will help you get the most out of this Learning Path

Pro Hadoop Data Analytics Kerry Koitzsch, 2016-12-29 Learn advanced analytical techniques and leverage existing tool kits to make your analytic applications more powerful precise and efficient This book provides the right combination of architecture design and implementation information to create analytical systems that go beyond the basics of classification clustering and recommendation Pro Hadoop Data Analytics emphasizes best practices to ensure coherent efficient development A complete example system will be developed using standard third party components that consist of the tool kits libraries visualization and reporting code as well as support glue to provide a

working and extensible end to end system The book also highlights the importance of end to end flexible configurable high performance data pipeline systems with analytical components as well as appropriate visualization results You ll discover the importance of mix and match or hybrid systems using different analytical components in one application This hybrid approach will be prominent in the examples What You ll Learn Build big data analytic systems with the Hadoop ecosystem Use libraries tool kits and algorithms to make development easier and more effective Apply metrics to measure performance and efficiency of components and systems Connect to standard relational databases noSQL data sources and more Follow case studies with example components to create your own systems Who This Book Is For Software engineers architects and data scientists with an interest in the design and implementation of big data analytical systems using Hadoop the Hadoop ecosystem and other associated technologies **Splunk: Enterprise Operational Intelligence Delivered** Betsy Page Sigman,Erickson Delgado,Josh Diakun,Paul R. Johnson,Derek Mock,Ashish Kumar Tulsiram Yadav,2017 Python Business Intelligence Cookbook Robert Dempsey,1900 Performing a time series analysis

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