Quick answers to common problems

Splunk Operational Intelligence Cookbook

Over 70 practical recipes to gain operational data intelligence with Splunk Enterprise

Josh Diakun
Paul R Johnson
Derek Mock

[PACKT] PUBLISHING

Splunk Operational Intelligence Cookbook

Victor M. Corman

Splunk Operational Intelligence Cookbook:

Splunk Operational Intelligence Cookbook Josh Diakun,Paul R Johnson,Derek Mock,2016-06-08 Over 70 practical recipes to gain operational data intelligence with Splunk Enterprise About This Book This is the most up to date book on Splunk 6 3 and teaches you how to tackle real world operational intelligence scenarios efficiently Get business insights using machine data using this easy to follow guide Search monitor and analyze your operational data skillfully using this recipe based practical guide Who This Book Is For This book is intended for users of all levels 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 Also existing users of Splunk who want to upgrade and get up and running with Splunk 6 3 will find this book invaluable What You Will Learn Use Splunk to gather analyze and report on data Create dashboards and visualizations that make data meaningful Build an operational intelligence application with extensive features and functionality Enrich operational data with lookups and workflows Model and accelerate data and perform pivot based reporting Build real time scripted and other intelligence driven alerts Summarize data for longer term trending reporting and analysis Integrate advanced JavaScript charts and leverage Splunk s API In Detail 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 70 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 to explore your data in even more sophisticated ways Splunk is changing the business landscape so make 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 - 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 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 Operational Intelligence Cookbook - Third Edition Josh Diakun,Paul Johnson,Derek Mock,2018 Leverage Splunk s operational intelligence capabilities to unlock new hidden business insights and drive success About This Book 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 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 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 In Detail 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 70 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 da *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 FeaturesExplore the all new machine learning toolkit in Splunk 7 xTackle any problems related to searching and analyzing your data with SplunkGet the latest information and business insights on Splunk 7 xBook 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 MillerSplunk Operational Intelligence Cookbook Third Edition by Paul R Johnson Josh Diakun et alWhat you will learnMaster the new offerings in Splunk Splunk Cloud and the Machine Learning ToolkitCreate efficient and effective searchesMaster the use of Splunk tables charts and graph enhancementsUse Splunk data models and pivots with faster data model accelerationMaster all aspects of Splunk XML dashboards with hands on applicationsApply ML algorithms for forecasting and anomaly detectionIntegrate advanced

JavaScript charts and leverage Splunk s APIWho 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 **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 end course Full coverage of high level Splunk techniques such as advanced searches manipulations and visualization Who This Book Is For This course is for software developers who wish to use Splunk for operational intelligence to make sense of their machine data The content in this course will appeal to individuals from all facets of business IT security product marketing and many more What You Will Learn Install and configure the latest version of Splunk Use Splunk to gather analyze and report data Create Dashboards and Visualizations that make data meaningful Model and accelerate data and perform pivot based reporting Integrate advanced JavaScript charts and leverage Splunk s APIs Develop and Manage apps in Splunk Integrate Splunk with R and Tableau using SDKs In Detail Splunk is an extremely powerful tool for searching exploring and visualizing data of all types Splunk is becoming increasingly popular as more and more businesses both large and small discover its ease and usefulness Analysts managers students and others can quickly learn how to use the data from their systems networks web traffic and social media to make attractive and informative reports This course will teach everything right from installing and configuring Splunk The first module is for anyone who wants to manage data with Splunk You ll start with very basics of Splunk installing Splunk before then moving on to searching machine data with Splunk You will gather data from different sources isolate them by indexes classify them into source types and tag them with the essential fields With more than 70 recipes on hand in the second module 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 Dive deep into Splunk to find the most efficient solution to your data problems in the third module Create the robust Splunk solutions you need to make informed decisions in big data machine analytics From visualizations to enterprise integration this well organized high level guide has everything you need for Splunk mastery This learning path combines some of the best that Packt has to offer into one complete curated package It includes content from the following Packt products Splunk Essentials Second Edition Splunk Operational Intelligence Cookbook Second Edition Advanced Splunk Style and approach Packed with several step by step tutorials and a wide range of techniques to take advantage of Splunk and its wide range of capabilities to deliver operational intelligence within your enterpise **Ultimate**

Splunk for Cybersecurity Jit Sinha,2024-01-06 Empower Your Digital Shield with Splunk Expertise KEY FEATURES In depth Exploration of Splunk s Security Ecosystem and Capabilities Practical Scenarios and Real World Implementations of Splunk Security Solutions Streamline Automation and Orchestration in Splunk Operations DESCRIPTION The Ultimate Splunk for Cybersecurity is your practical companion to utilizing Splunk for threat detection and security operations This in depth guide begins with an introduction to Splunk and its role in cybersecurity followed by a detailed discussion on configuring inputs and data sources understanding Splunk architecture and using Splunk Enterprise Security ES It further explores topics such as data ingestion and normalization understanding SIEM and threat detection and response It then delves into advanced analytics for threat detection integration with other security tools and automation and orchestration with Splunk Additionally it covers cloud security with Splunk DevOps and security operations Moreover the book provides practical guidance on best practices for Splunk in cybersecurity compliance and regulatory requirements It concludes with a summary of the key concepts covered throughout the book WHAT WILL YOU LEARN Achieve advanced proficiency in Splunk Enterprise Security to bolster your cyber defense capabilities comprehensively Implement Splunk for cutting edge cybersecurity threat detection and analysis with precision Expertly integrate Splunk with leading cloud platforms to enhance security measures Seamlessly incorporate Splunk with a variety of security tools for a unified defense system Employ Splunk s robust data analytics for sophisticated threat hunting Enhance operational efficiency and accuracy by automating security tasks with Splunk Tailor Splunk dashboards for real time security monitoring and insightful analysis WHO IS THIS BOOK FOR This book is designed for IT professionals security analysts and network administrators possessing a foundational grasp of cybersecurity principles and a basic familiarity with Splunk If you are an individual seeking to enhance your proficiency in leveraging Splunk for advanced cybersecurity applications and integrations this book is crafted with your skill development in mind TABLE OF CONTENTS 1 Introduction to Splunk and Cybersecurity 2 Overview of Splunk Architecture 3 Configuring Inputs and Data Sources 4 Data Ingestion and Normalization 5 Understanding SIEM 6 Splunk Enterprise Security 7 Security Intelligence 8 Forensic Investigation in Security Domains 9 Splunk Integration with Other Security Tools 10 Splunk for Compliance and Regulatory Requirements 11 Security Orchestration Automation and Response SOAR with Splunk 12 Cloud Security with Splunk 13 DevOps and Security Operations 14 Best Practices for Splunk in Cybersecurity 15 Conclusion and Summary Index **Hands-on Splunk on AWS** Jit Sinha,2024-12-30 DESCRIPTION Hands on Splunk on AWS is a practical tutorial for professionals who wish to set up manage and analyze data with Splunk on AWS This practical guide capitalizes on the scalability and flexibility of Amazon Web Services AWS to streamline your Splunk deployment This book is a complete guide to Splunk a powerful tool for analyzing and visualizing machine generated data It explains Splunk s architecture components and data flow helping you set up configure and index data effectively Learn to write efficient Splunk Processing Language SPL queries create detailed visualizations and optimize searches for deeper insights Discover advanced topics like

clustering and integrating Splunk into modern DevOps practices and cloud native environments The book also shares best practices for administration troubleshooting and security By the end of this guide readers will be confident in utilizing Splunk on AWS to make data driven decisions Whether you want to improve your data analysis or use AWS for Splunk this book will teach you the skills and insights you need in today s data driven world KEY FEATURES Understand Splunk s search language to query analyze and visualize data Create interactive dashboards and reports to communicate insights effectively Integrate Splunk with modern DevOps practices to improve monitoring and troubleshooting WHAT YOU WILL LEARN How to deploy and configure Splunk effectively on AWS Key concepts and tools in data onboarding and indexing Mastery of the Splunk Processing Language SPL for data queries Techniques for creating and managing interactive dashboards Integration of Splunk with Kubernetes and CI CD pipelines Methods for applying machine learning in data analysis with Splunk WHO THIS BOOK IS FOR This book is for IT professionals data analysts Splunk administrators and cloud enthusiasts to improve their understanding of Splunk on AWS and extract valuable insights from their data TABLE OF CONTENTS 1 Introduction to Splunk Basics and Benefits 2 Setting Up Splunk on AWS 3 Splunk Architecture Components 4 Splunk Clustering on AWS 5 Data Onboarding and Indexing 6 Mastering SPL for Data Queries 7 Data Pre Processing and Analysis 8 Creating Data Visualizations in Splunk 9 Using Splunk Dashboard Studio 10 Advanced Techniques with Lookups and Macros 11 Integrating with Kubernetes and CI CD 12 Natural Language Processing with Splunk 13 Splunk for Hybrid Environments 14 Extending Splunk with Apps and Add ons 15 Configuration and Deployment Management in Splunk 16 Administration Techniques for Experts 17 Effective Troubleshooting in Splunk 18 Conclusion and Next Steps in Splunk *Handbook of Systems Engineering and Risk Management in Control Systems, Communication, Space Technology, Missile, Security and Defense Operations* Anna M. Doro-on,2022-09-27 This book provides multifaceted components and full practical perspectives of systems engineering and risk management in security and defense operations with a focus on infrastructure and manpower control systems missile design space technology satellites intercontinental ballistic missiles and space security While there are many existing selections of systems engineering and risk management textbooks there is no existing work that connects systems engineering and risk management concepts to solidify its usability in the entire security and defense actions With this book Dr Anna M Doro on rectifies the current imbalance She provides a comprehensive overview of systems engineering and risk management before moving to deeper practical engineering principles integrated with newly developed concepts and examples based on industry and government methodologies The chapters also cover related points including design principles for defeating and deactivating improvised explosive devices and land mines and security measures against kinds of threats The book is designed for systems engineers in practice political risk professionals managers policy makers engineers in other engineering fields scientists decision makers in industry and government and to serve as a reference work in systems engineering and risk management courses with focus on security and defense operations **Ultimate Linux**

Network Security for Enterprises Adarsh Kant,2024-04-30 Level Up Your Security Skills with Linux Expertise Key Features Comprehensive exploration of Linux network security and advanced techniques to defend against evolving cyber threats Hands on exercises to reinforce your understanding and gain practical experience in implementing cybersecurity strategies Gain valuable insights from industry best practices to effectively address emerging threats and protect your organization s digital assets within the evolving landscape of Linux network security Book Description The Ultimate Linux Network Security for Enterprises is your essential companion to mastering advanced cybersecurity techniques tailored for Linux systems The book provides a comprehensive exploration of Linux network security equipping you with the skills and knowledge needed to defend against evolving cyber threats Through hands on exercises real world scenarios and industry best practices this book empowers you to fortify your organization s networks with confidence Discover practical insights and techniques that transcend theoretical knowledge enabling you to apply effective cybersecurity strategies in your job role From understanding fundamental concepts to implementing robust security measures each chapter provides invaluable insights into securing Linux based networks Whether you are tasked with conducting vulnerability assessments designing incident response plans or implementing intrusion detection systems this book equips you with the tools and expertise to excel in your cybersecurity endeavors By the end of this book you will gain the expertise needed to stay ahead of emerging threats and safeguard your organization s digital assets What you will learn Perform thorough vulnerability assessments on Linux networks to pinpoint network weaknesses Develop and deploy resilient security incident response plans Configure and oversee sophisticated firewall and packet filtering rules Employ cryptography techniques to ensure secure data transmission and storage Implement efficient Intrusion Detection and Prevention Systems IDS IPS Enforce industry leading best practices to bolster Linux network security defenses Table of Contents 1 Exploring Linux Network Security Fundamentals 2 Creating a Secure Lab Environment 3 Access Control Mechanism in Linux 4 Implementing Firewalls And Packet Filtering 5 Mastering Cryptography for Network Security 6 Intrusion Detection System and Intrusion Prevention System 7 Conducting Vulnerability Assessment with Linux 8 Creating Effective Disaster Recovery Strategies 9 Robust Security Incident Response Plan 10 Best Practices for Linux Network Security Professionals Index *Ultimate Docker for Cloud Native Applications* Meysam Azad ,2024-02-19 Unlock the Power of Docker to Revolutionize Your Development and Deployment Strategies KEY FEATURES Dive into real world Docker expertise through hands on learning and practical exercises Covers Docker fundamentals and extends to advanced orchestration techniques for holistic understanding of the ecosystem Benefit from expert perspectives gaining insider knowledge and practical insights DESCRIPTION Embark on an enriching Docker journey with this definitive guide meticulously designed to take you from foundational knowledge to advanced mastery This book adopts a holistic approach to containerization starting with essential concepts Docker s intricacies and then moving on to an exploration of core concepts and architecture You will then move seamlessly through building and managing Docker images

navigating networking challenges and mastering the art of persistent data management Each chapter builds upon the last ensuring a thorough grasp of Docker s intricacies The book will help you streamline deployment with Docker Compose scale applications through Docker Swarm fortify deployments with security insights and seamlessly integrate Docker into your CI CD pipelines Push the boundaries further with discussions on Docker in cloud platforms an introduction to Kubernetes and advanced Docker concepts Authored by a seasoned Senior Site Reliability Engineer SRE this book goes beyond the theoretical by providing insider insights best practices and real world scenarios Bridging the gap between concepts and application it serves as your trusted companion in navigating Docker complexities WHAT WILL YOU LEARN Build and manage Docker containers with practical proficiency Create efficient Docker images tailored to diverse application requirements Orchestrate containers seamlessly using Kubernetes for robust and scalable deployments Implement advanced networking solutions within the Docker environment Troubleshoot common issues and optimize Dockerized applications for peak performance Gain expert insights on architecting scalable and resilient software solutions WHO IS THIS BOOK FOR Tailored for Software Developers System Administrators DevOps Engineers IT Managers Cloud Architects and Infrastructure Engineers this book offers valuable insights and advanced techniques Whether you re a Docker beginner or seeking to deepen your expertise it addresses a variety of roles in the dynamic realms of software development and IT While no prior Docker experience is required a foundational understanding of containerization concepts and familiarity with Linux environments can enhance the learning experience for all readers TABLE OF CONTENTS 1 Introduction to Docker 2 Docker Architecture and Components 3 Building and Managing Docker Images 4 Docker Networking 5 Persistent Data Management with Docker 6 Docker Compose for Simplified Application Deployment 7 Scaling Applications with Docker Swarm 8 Securing Docker Deployments 9 Docker in Continuous Integration and Deployment 10 Docker on Cloud Platforms 11 Introduction to Kubernetes 12 Exploring Advanced Docker Concepts 13 Future Trends in Containerization Appendix A All in One Cheatsheet Index *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 **Implementing Splunk 7, Third Edition** James D. Miller,2018-03-29 A comprehensive guide to making machine data accessible across the organization using advanced dashboards Key Features Enrich machine generated data and transform it into useful meaningful insights Perform search operations and configurations build dashboards and manage logs Extend Splunk services with scripts and advanced configurations to process optimal results Book Description Splunk is the leading platform that fosters an efficient methodology and delivers ways to search monitor and analyze growing amounts of big data This book will allow you to implement new services and utilize them to quickly and efficiently process machine generated big data We introduce you to all the new features improvements and offerings of Splunk 7 We cover the new modules of Splunk Splunk Cloud and the Machine Learning Toolkit to ease data usage Furthermore you will learn to use search terms effectively with Boolean and grouping operators You will learn not only how to modify your search to make your searches fast but also how to use wildcards efficiently Later you will learn how to use stats to aggregate values a chart to turn data and a time chart to show values over time you ll also work with fields and chart enhancements and learn how to create a data model with faster data model acceleration Once this is done you will learn about XML Dashboards working with apps building advanced dashboards configuring and extending Splunk advanced deployments and more Finally we teach you how to use the Machine Learning Toolkit and best practices and tips to help you implement Splunk services effectively and efficiently By the end of this book you will have learned about the Splunk software as a whole and implemented Splunk services in your tasks at projects What you will learn Focus on the new features of the latest version of Splunk Enterprise 7 Master the new offerings in Splunk Splunk Cloud and the Machine Learning Toolkit Create efficient and effective searches within the organization 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 Create and deploy advanced Splunk dashboards to share valuable business insights with peers Who this book is for This book is intended for data analysts business analysts and IT administrators who want to make the best use of big data operational intelligence log management and monitoring within their organization Some knowledge of Splunk services will help you get the most out of the book Splunk: Enterprise Operational Intelligence Delivered Betsy Page Sigman,Erickson Delgado,Josh Diakun,Paul R. Johnson,Derek Mock,Ashish Kumar Tulsiram Yadav,2017 **Implementing Splunk 7 - Third Edition** James Miller,2018 A comprehensive guide to making machine data accessible across the organization using advanced dashboards About This Book Enrich machine generated data and transform it into useful meaningful insights Perform search operations

and configurations build dashboards and manage logs Extend Splunk services with scripts and advanced configurations to process optimal results Who This Book Is For This book is intended for data analysts business analysts and IT administrators who want to make the best use of big data operational intelligence log management and monitoring within their organization Some knowledge of Splunk services will help you get the most out of the book What You Will Learn Focus on the new features of the latest version of Splunk Enterprise 7 Master the new offerings in Splunk Splunk Cloud and the Machine Learning Toolkit Create efficient and effective searches within the organization 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 Create and deploy advanced Splunk dashboards to share valuable business insights with peers In Detail Splunk is the leading platform that fosters an efficient methodology and delivers ways to search monitor and analyze growing amounts of big data This book will allow you to implement new services and utilize them to quickly and efficiently process machine generated big data We introduce you to all the new features improvements and offerings of Splunk 7 We cover the new modules of Splunk Splunk Cloud and the Machine Learning Toolkit to ease data usage Furthermore you will learn to use search terms effectively with Boolean and grouping operators You will learn not only how to modify your search to make your searches fast but also how to use wildcards efficiently Later you will learn how to use stats to aggregate values a chart to turn data and a time chart to show values over time you ll also work with fields and chart enhancements and learn how to create a data model with faster data model acceleration Once this is done you will learn about XML Dashboards working with apps building advanced dashboards configuring and extending Splunk advanced deployments and more Finally we teach you how to use the Machine Learning Toolkit and best practices and tips to help you implement Splunk services effectively and efficiently By t *Implementing Splunk - Big Data Reporting and Development for Operational Intelligence* Vincent Bumgarner,2013-01-01 Learn to effectively use configure deploy and extend Splunk and implement its powerful capabilities *Python Business Intelligence Cookbook* Robert Dempsey,1900 Performing a time series analysis **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 FeaturesUnderstand 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 sourcesDesign searches reports and dashboard visualizations to provide business data insightsBook 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 learnDesign and implement a complex Splunk Enterprise solutionConfigure your Splunk environment to get machine data in and indexedBuild searches to get and format data for analysis and visualizationBuild reports dashboards and alerts to deliver critical insightsCreate knowledge objects to enhance the value of your dataInstall Splunk apps to provide focused views into key technologiesMonitor troubleshoot and manage your Splunk environmentWho 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 Splunk Essentials - Second Edition Betsy Page Sigman,Erickson Delgado,2016-09 A fast paced and practical guide to demystifying big data and transforming it into operational intelligence About This Book Want to get started with Splunk to analyze and visualize machine data Open this book and step into the world of Splunk Leverage the exceptional analysis and visualization capabilities to make informed decisions for your business This easy to follow practical book can be used by anyone even if you have never managed any data before Who This Book Is For This book will be perfect for you if you are a Software engineer or developer or System administrators or Business analyst who seek to correlate machine data with business metrics and provide intuitive real time and statistical visualizations Some knowledge or experience of previous versions of Splunk will be helpful but not essential What You Will Learn Install and configure Splunk Gather data from different sources isolate them by indexes classify them into source types and tag them with the essential fields Be comfortable with the Search Processing Language and get to know the best practices in writing search queries Create stunning and powerful dashboards Be proactive by implementing alerts and scheduled reports Use the Splunk SDK and integrate Splunk data into other applications Implement the best practices in using Splunk In Detail Splunk is a search analysis and reporting platform for machine data which has a high adoption on the market More and more organizations want to adopt Splunk to use their data to make informed decisions This book is for anyone who wants to manage data with Splunk You ll start with very basics of Splunk installing Splunk and then move on to searching machine data with Splunk You will gather data from different sources isolate them by indexes classify them into source types and tag them with the essential fields After this you will learn to create various reports XML forms and alerts You will then continue using the Pivot Model to transform the data models into visualization You will also explore visualization with D3 in Splunk Finally you ll be provided with some real world best practices in using Splunk Style and approach This fast paced example rich guide will help

you analyze and visualize machine data with Splunk through simple practical instructions Downloading the example code for this book You can download the example code files for all Packt books you have purchased from your account at http www Packt **Splunk Best Practices** Travis Marlette,2016-09-21 Design implement and publish custom Splunk applications by following best practices About This Book This is the most up to date guide on the market and will help you finish your tasks faster easier and more efficiently Highly practical guide that addresses common and not so common pain points in Splunk Want to explore shortcuts to perform tasks more efficiently with Splunk This is the book for you Who This Book Is For This book is for administrators developers and search ninjas who have been using Splunk for some time A comprehensive coverage makes this book great for Splunk veterans and newbies alike What You Will Learn Use Splunk effectively to gather analyze and report on operational data throughout your environment Expedite your reporting and be empowered to present data in a meaningful way Create robust searches reports and charts using Splunk Modularize your programs for better reusability Build your own Splunk apps and learn why they are important Learn how to integrate with enterprise systems Summarize data for longer term trending reporting and analysis In Detail This book will give you an edge over others through insights that will help you in day to day instances When you re working with data from various sources in Splunk and performing analysis on this data it can be a bit tricky With this book you will learn the best practices of working with Splunk You ll learn about tools and techniques that will ease your life with Splunk and will ultimately save you time In some cases it will adjust your thinking of what Splunk is and what it can and cannot do To start with you ll get to know the best practices to get data into Splunk analyze data and package apps for distribution Next you ll discover the best practices in logging operations knowledge management searching and reporting To finish off we will teach you how to troubleshoot Splunk searches as well as deployment testing and development with Splunk Style and approach If you re stuck or want to find a better way to work with Splunk environment this book will come handy This easy to follow insightful book contains step by step instructions and examples and scenarios that you will connect to

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Table of Contents Splunk Operational Intelligence Cookbook

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Splunk Operational Intelligence Cookbook Introduction

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