



Quick answers to common problems

Splunk Operational Intelligence Cookbook

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

Josh Diakun
Derek Mock

Paul R Johnson

[PACKT]
PUBLISHING

Splunk Operational Intelligence Cookbook

Jit Sinha



Splunk Operational Intelligence Cookbook:

Splunk Operational Intelligence Cookbook Josh Diakun,Paul R Johnson,Derek Mock,2014-10-31 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 a business IT Security Product Marketing and many more

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 - 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

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

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 I'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.

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 the 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 enterprise [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 **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 **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 *Ultimate Generative AI Solutions on Google Cloud* Arun Pandey,2024-12-29 TAGLINE Unlock Generative AI s Potential Transform Ideas into Reality on Google Cloud KEY FEATURES Step by step guidance for building Generative AI apps on Google Cloud Platform Pro tips for fine tuning models to achieve optimal performance Industry specific use cases for practical hands on learning DESCRIPTION Generative AI powered by Google Cloud Platform GCP is reshaping industries with its advanced capabilities in automating and enhancing complex tasks

The Ultimate Generative AI Solutions on Google Cloud is your comprehensive guide to harnessing this powerful combination to innovate and excel in your job role. It explores foundational machine learning concepts and dives deep into Generative AI, providing the essential knowledge needed to conceptualize, develop, and deploy cutting-edge AI solutions. Within these pages, you'll explore Large Language Models (LLMs), Prompt engineering, Fine-tuning techniques, and the latest advancements in AI, with special emphasis on Parameter Efficient Fine Tuning (PEFT) and Reinforcement Learning with Human Feedback (RLHF). You'll also learn about the integration of LangChain and Retrieval Augmented Generation (RAG) to enhance AI capabilities. By mastering these techniques, you can optimize model performance while conserving resources. The integration of GCP services simplifies the development process, enabling the creation of robust AI applications with ease. By the end of this book, you will not only understand the technical aspects of Generative AI but also gain practical skills that can transform your work to drive innovation and boost operational efficiency with Generative AI on GCP.

WHAT WILL YOU LEARN

- Build and deploy cutting-edge generative AI solutions using Google Cloud LangChain and RAG.
- Fine-tune large language models (LLMs) with PEFT to meet precise business objectives.
- Master prompt engineering techniques to enhance model performance with GCP tools.
- Optimize production AI for efficiency and scalability using GCP's Cloud Functions and Cloud Run.
- Apply real-world industry use cases to drive innovation and solve complex problems with LLMops.
- Manage and streamline AI projects effectively using GCP services like Dataflow, Pub/Sub, and Monitoring.

WHO IS THIS BOOK FOR

This book is tailored for AI practitioners, data scientists, and developers with a foundational knowledge of machine learning and experience using Google Cloud services. Familiarity with Python programming and an interest in generative AI applications will enrich your understanding and support practical implementation of the concepts.

TABLE OF CONTENTS

1. Generative AI Essentials
2. Google Cloud Basics
3. Getting Started with Large Language Models
4. Prompt Engineering and Contextual Learning
5. Fine Tuning a Large Language Model
6. Parameter Efficient Fine Tuning (PEFT)
7. Reinforcement Learning with Human Feedback
8. Model Optimization
9. LLMops for Managing and Monitoring AI Projects
10. Harnessing RAG and LangChain
11. Case Studies and Real World Implementations
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[Practical Ansible Automation Handbook: An ultimate guide to innovate, accelerate, and maximize efficiency of IT infrastructure on Windows and Linux](#)

Luca Berton, 2023-07-20

Unleash the Power of Ansible to Automate Workflows, Streamline Operations, and Revolutionize Infrastructure Management.

Key Features

- Automate tasks with Ansible code for error-free, high-performance results.
- Master Ansible language essentials, architecture, and ad-hoc commands.
- Explore Ansible's versatile capabilities to gain expertise in Linux and Windows administration.
- Achieve efficient configuration management, deployment, and orchestration.
- Unlock advanced Ansible Automation Platform and Morpheus features.

Book Description

Tired of repetitive and time-consuming IT tasks? Unlock the true potential of automation with *Practical Ansible Automation Handbook*. This comprehensive guide, authored by Ansible expert Luca Berton, will help you master the art of automation. Starting with the basics, the book introduces Ansible's workflow architecture and environment setup. Through

step by step instructions and real world examples you ll gain proficiency in executing core tasks such as provisioning configuration management application deployment automation and orchestration The book covers automating administrative tasks in Linux and Windows advanced topics like Ansible Automation Platform and Morpheus and leveraging cloud computing with Amazon Web Services and Kubernetes container orchestration Practicality and real world scenarios set this book apart It addresses common roadblocks provides best practices and helps you develop a beginner friendly playbook that minimizes errors and maximizes performance With Ansible s commercial viability evident in the market learning it positions you at the forefront of automation expertise Whether you re a system administrator network administrator developer or manager this book empowers you to automate everything with Ansible Embrace the power of automation revolutionize your IT operations and unleash new levels of efficiency and productivity in your organization What you will learn Set up and configure Ansible environments to automate various tasks Execute automation tasks manage configurations and deploy applications Leverage Ansible Automation Platform and Morpheus for performance optimization of complex workflows Design efficient playbooks to streamline operations and troubleshoot using the best practices Efficiently automate routine tasks to achieve Enterprise level scalability Who is this book for This book is targeted towards beginners and developers involved in IT operations and who wish to extract the best from Ansible for task automation It caters to system administrators network administrators developers and managers in IT operations No prior Ansible knowledge is needed as it covers basics and advances gradually Familiarity with Linux and system administration is beneficial By the end readers will have a solid foundation and be ready to implement automation solutions

Table of Contents Chapter 1 Getting Started Chapter 2 Ansible Language Core Chapter 3 Ansible Language Extended Chapter 4 Ansible For Linux Chapter 5 Ansible For Windows Chapter 6 Ansible Troubleshooting Chapter 7 Ansible Enterprise Chapter 8 Ansible Advanced Index

Ultimate Certified Kubernetes Administrator (CKA) Certification Guide: Become CKA Certified with Ease by Mastering Cluster Management and Orchestration with Kubernetes Rajesh Vishnupant, 2024-07-09

Unlock the Power of Kubernetes Master Cluster Excellence

Key Features Master Kubernetes from the ground up covering foundational to expert level skills Enhance learning with practical examples clear diagrams and real world applications Tailored content to help you confidently pass the CKA certification exam

Book Description Embark on a journey from beginner to pro with this CKA Certification Guide Seamlessly blending theory with hands on practice this indispensable Kubernetes companion provides clear explanations and real world scenarios to guide you to success in Kubernetes administration The book starts by giving a solid understanding of Kubernetes platform and how to confidently set up your clusters with step by step instructions You will dive into Workload Objects to master crucial concepts then explore Service and Ingress for a deep understanding of networking Next it moves to deploy and scale applications ensuring you re ready for any workload This book offers the tools needed to design deploy and maintain efficient scalable and resilient applications in Kubernetes environments It covers essential topics such as Pods

Deployments and StatefulSets along with providing insights into Kubernetes architecture and operations The advanced section of the book focuses on enhancing your skills with chapters on security and troubleshooting ensuring you can maintain your clusters effectively and managing microservices with precision The final section of the book covers focused content and practice exercises to prepare you to ace the CKA certification exam What you will learn Gain the skills to set up configure and maintain Kubernetes clusters ensuring secure and efficient operations Learn how to create deploy and manage applications on Kubernetes including handling updates and scaling Acquire in depth knowledge of Kubernetes networking and storage enabling you to design and implement robust solutions Develop expertise in automating application deployments and managing their scaling and availability for optimal performance Build the ability to identify diagnose and resolve common Kubernetes problems ensuring smooth cluster operations Table of Contents1 Introduction to Kubernetes 2 Installing Kubernetes 3 Workload Objects Pod Deploy StatefulSet 4 Service and Ingress Exposing Apps Outside the Cluster 5 Deploy and Scale Stateless Apps 6 Deployment Strategies RollingUpdate Recreate 7 Data Persistence Local and Cloud 8 Deploy and Scale StatefulSet 9 Configure Apps for Production Deployment 10 Cluster Database Backup and Restore 11 Cluster Upgrade kubeadm 12 CoreDNS 13 Networking Pod Service and Ingress 14 Kubernetes CNI 15 Kubernetes Security 16

Troubleshooting 17 Kubernetes Production Essentials 18 Microservices Observability 19 Scalable Jenkins on Kubernetes 20 GitOps using ArgoCD and GitHub 21 CKA Exam Mastery Index **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 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 Effective DevOps with AWS Yogesh Raheja, Giuseppe Borgese, Nathaniel Felsen, 2018-09-28 Scale and maintain outstanding performance in your AWS based infrastructure using DevOps principles Key Features Implement continuous integration and continuous deployment pipelines on AWS Gain insight from an expert who has worked with Silicon Valley's most high profile companies Implement DevOps principles to take full advantage of the AWS stack and services Book Description The DevOps movement has transformed the way modern tech companies work Amazon Web Services AWS which has been at the forefront of the cloud computing revolution has also been a key contributor to the DevOps movement creating a huge range of managed services that help you implement DevOps principles Effective DevOps with AWS Second Edition will help you to understand how the most successful tech start ups launch and scale their services on AWS and will teach you how you can do the same This book explains how to treat infrastructure as code meaning you can bring resources online and offline as easily as you control your software You will also build a continuous integration and continuous deployment pipeline to keep your app up to date Once you have gotten to grips with all this we'll move on to how to scale your applications to offer maximum performance to users even when traffic spikes by using the latest technologies such as containers In addition to this you'll get insights into monitoring and alerting so you can make sure your users have the best experience when using your service In the concluding chapters we'll cover inbuilt AWS tools such as CodeDeploy and CloudFormation which are used by many AWS administrators to perform DevOps By the end of this book you'll have learned how to ensure the security of your platform and data using the latest and most prominent AWS tools What you will learn Implement automatic AWS instance provisioning using CloudFormation Deploy your application on a provisioned infrastructure with Ansible Manage infrastructure using Terraform Build and deploy a CI/CD pipeline with Automated Testing on AWS Understand the container journey for a CI/CD pipeline using AWS ECS Monitor and secure your AWS environment Who this book is for Effective DevOps with AWS is for you if you are a developer DevOps engineer or you work in a team which wants to build and use AWS for software infrastructure Basic computer science knowledge is required to get the most out of this book *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

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 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

Python Business Intelligence Cookbook Robert Dempsey, 1900 Performing a time series analysis

Big Data Analytics Using Splunk Peter Zadrozny, Raghu Kodali, 2013-08-23 Big Data Analytics Using Splunk is a hands on book showing how to process and derive business value from big data in real time Examples in the book draw from social media sources such as Twitter tweets and Foursquare check ins You also learn to draw from machine data enabling you to analyze say web server log files and patterns of user access in real time as the access is occurring Gone are the days when you need be caught out by shifting public opinion or sudden changes in customer behavior Splunk's easy to use engine helps you recognize and react in real time as events are occurring Splunk is a powerful yet simple analytical tool fast gaining traction in the fields of big data and operational intelligence Using Splunk you can monitor data in real time or mine your data after the fact Splunk's stunning visualizations aid in locating the needle of value in a haystack of a data Geolocation support spreads your data across a map allowing you to drill down to geographic areas of interest Alerts can run in the background and trigger to warn you of shifts or events as they are taking place With Splunk you can immediately recognize and react to changing trends and shifting public opinion as expressed through social media and to new patterns of eCommerce and customer behavior The ability to immediately recognize and react to changing trends provides a tremendous advantage in today's fast paced world of Internet business Big Data Analytics Using Splunk opens the door to an exciting world of real time operational intelligence Built around hands on projects Shows how to mine social media Opens the door to real time operational intelligence

Eventually, you will extremely discover a other experience and endowment by spending more cash. nevertheless when? attain you tolerate that you require to get those all needs with having significantly cash? Why dont you try to acquire something basic in the beginning? Thats something that will guide you to understand even more all but the globe, experience, some places, past history, amusement, and a lot more?

It is your extremely own era to do something reviewing habit. in the middle of guides you could enjoy now is **Splunk Operational Intelligence Cookbook** below.

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