Introduction to

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Joshua Wood,Brian Tannous

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IBM Power E1180: Introduction and Overview Tim Simon,Henry Vo,Jordan Antonov,Ivaylo Bozhinov,Rohit Chauhan,Nicolae Chirea,Turgut Genc,Bartlomiej Grabowski,Andrey Klyachkin,Tsvetomir Spasov,IBM Redbooks,2025-09-26 This IBM Redbooks publication provides a comprehensive overview of the IBM Power E1180 the flagship system in the IBM Power11 family It describes the implementation of the Power11 processor which is an evolution of the Power10 chip that is used in the IBM Power E1080 and examines the system architecture and performance capabilities in detail Engineered for the artificial intelligence AI era the IBM Power11 platform is built on three foundational pillars Trusted Autonomous and Modern Trusted Provides exceptional business continuity with 99 9999% availability zero planned downtime ZPD for maintenance quantum safe cryptography and rapid system recovery Autonomous Improves operational efficiency through intelligent automation energy optimized performance modes and minimal manual intervention Modern Supports AI application development and deployment across hybrid cloud environments on premises and in the cloud by using off chip AI acceleration through IBM Spyre AcceleratorTM and a robust partner ecosystem The Power11 architecture introduces several key hardware innovations including 7 nm processor technology increased core density and expanded memory bandwidth with DDR5 It also offers advanced reliability availability and serviceability RAS flexible consumption models and broad compatibility with modern software platforms such as Red Hat OpenShift and IBM watsonx Overall the Power E1180 is a high performance enterprise grade platform that can support AI workloads mission critical applications and digital transformation at scale   *Introducing IBM i Modernization Engine for Lifecycle Integration - Merlin* Henry Vo,Tim Simon,Marcelo Avalos Del Carpio,Rohit Chauhan,Nicolae Chirea,Ravisankar Pandian,Anil Patil,Marius le Roux,IBM Redbooks,2025-08-07 As part of the IBM i modernization initiative IBM i Merlin Modernization Engine for Life Cycle Integration offers a fully integrated and supported suite of tools from IBM MERLIN enables seamless integration into CI CD pipelines and provides powerful code modernization capabilities including fixed to free RPG conversion native Git based source control and application impact analysis empowering developers with modern tools at their fingertips This IBM Redbook serves as a comprehensive guide to Merlin IBM s next generation development and DevOps platform for IBM i It details how Merlin leverages modern technologies such as Git Jenkins and a browser based Visual Studio Code IDE all within a containerized OpenShift environment These integrations support source control automated build and deployment pipelines and streamlined modernization of legacy RPG applications The book thoroughly explores Merlin s architecture installation process and strategies for migrating from traditional workflows to Git based DevOps It provides practical guidance for both users and administrators along with real world use cases that demonstrate improvements in developer productivity collaboration and application modernization Additionally it highlights Merlin s integration with ARCAD tools for full lifecycle management and its support for both cloud and hybrid environments enabling organizations to adopt agile scalable and

standardized IBM i development practices Targeted at IT professionals and planners this guide is especially valuable for those integrating Merlin with tools like Jenkins Git and various IDEs via plugin support It complements IBM s official documentation and aligns with the educational resources provided by IBM GarageTM for Systems Technical Education

IBM Power11 E1150 Introduction and Technical Overview Tim Simon,Henry Vo,Jose Martin Abeleira,Giuliano Anselmi,Kevin Gee,Rob McNelly,Peter Piskutz,Borislav Ivanov Stoymirski,Atanas Yordanov,IBM Redbooks,2025-10-07 The IBM Power E1150 is a next generation enterprise server designed to meet the demands of modern data intensive workloads with unmatched performance security and operational agility Built on IBM s full stack innovation from the POWER11 processor to firmware operating systems and cloud integration the E1150 delivers a unified platform for mission critical computing The IBM Power E1150 provides these benefits for clients running critical workloads Resilient Operations The E1150 is engineered for continuous availability with zero planned downtime automated system maintenance and spare core failover It ensures business continuity even in the face of hardware faults or cyber threats Quantum Safe Security With built in quantum safe encryption secure boot and support for FIPS 140 3 certified cryptographic modules the E1150 protects sensitive data against both current and emerging threats AI Optimized Performance Integrated Matrix Multiply Assist MMA accelerators enable high throughput AI and machine learning workloads making the E1150 ideal for organizations scaling AI across their operations Cloud Ready Flexibility The E1150 supports hybrid cloud strategies through seamless integration with IBM Cloud and Power Virtual Servers enabling consistent performance and workload portability Efficient Resource Utilization With support for Capacity on Demand and Power Enterprise Pools 2 0 organizations can dynamically scale compute and memory resources across systems optimizing cost and performance Simplified Management Advanced automation cryptographic inventory via IBM PowerSC and energy efficient modes reduce operational complexity and free IT teams to focus on innovation The goal of this paper is to provide a hardware architecture analysis and highlight the changes new technologies and major features that are introduced in the Power E1150 This publication is designed for professionals who are interested in gaining a deeper understanding of IBM Power server products It is particularly relevant for IBM Power customers sales and marketing professionals technical support staff IBM Business Partners and independent software vendors ISVs This paper expands the set of IBM Power documentation by providing a desktop reference that offers a detailed technical description of the Power E1150 **IBM Power11 Scale-Out Servers: Introduction and Overview** Tim Simon,Henry Vo,Larry Bolhuis,David Harlow,Jean-Manuel Lenez,Jaqui Lynch,Michael Miller,Dean Mussari,Steve Palazzolo,Gerd Reinhardt,IBM Redbooks,2025-10-29 IBM Power11 scale out servers are designed to meet the evolving demands of modern enterprises They offer an integrated end to end infrastructure stack that delivers high performance robust security and operational agility These systems support autonomous IT operations ITOps helping organizations reduce risk streamline management and accelerate innovation across hybrid and multicloud environments With a strong focus on

business continuity Power11 processor based servers provide zero planned downtime ZPD for maintenance automated failover by using spare processor cores and rapid ransomware detection and recovery through IBM Power Cyber Vault These servers also improve productivity and efficiency by simplifying infrastructure operations and supporting flexible consumption models such as Capacity on Demand CoD and Power Enterprise Pools PEP 2 0 Power11 scale out servers are designed for the future with quantum safe security capabilities They include advanced cryptographic protections such as Secure Boot and Live Partition Mobility LPM which are hardened against quantum era threats The servers also support the latest FIPS 140 3 certified cryptographic modules helping safeguard sensitive data and ensure long term compliance in a complex threat landscape For organizations adopting artificial intelligence AI Power11 processor based servers are AI ready by design They feature built in hardware acceleration for machine learning and inferencing workloads Their seamless integration with IBM Cloud enables rapid scaling and consistent performance enabling enterprises to deploy new applications and AI use cases with confidence This IBM Redbooks publication provides a hardware architecture analysis and highlights the changes new technologies and major features that are introduced in these systems This publication is intended for the following professionals seeking a deeper understanding of IBM Power server products IBM Power customers Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors ISVs This book expands the IBM Power documentation set by offering a desktop reference with a detailed technical description of the Power11 scale out server models   *Red Hat OpenShift on IBM Z Installation Guide* Subhajit Maitra,Eric Marins,IBM Redbooks,2020-10-16 This IBM Redpaper publication provides all the necessary steps to successfully install Red Hat OpenShift 4 4 on IBM Z or LinuxONE servers It also provides an introduction to OpenShift nodes Red Hat Enterprise Linux CoreOS and Ansible The steps that are described in this paper are taken from the official pages of the Red Hat website This IBM Redpaper publication was written for IT architects IT specialists and others who are interested in installing Red Hat OpenShift on IBM Z

OpenShift for Developers Grant Shipley,Graham Dumpleton,2016-08-04 Keen to build web applications for the cloud Get a quick hands on introduction to OpenShift the open source Platform as a Service PaaS offering from Red Hat With this practical guide you ll learn the steps necessary to build deploy and host a complete real world application on OpenShift without having to slog through long detailed explanations of the technologies involved OpenShift enables you to use Docker application containers and the Kubernetes cluster manager to automate the way you create ship and run applications Through the course of the book you ll learn how to use OpenShift and the Wildfly application server to build and then immediately deploy a Java application online Learn about OpenShift s core technology including Docker based containers and Kubernetes Use a virtual machine with OpenShift installed and configured on your local environment Create and deploy your first application on the OpenShift platform Add language runtime dependencies and connect to a database Trigger an automatic rebuild and redeployment when you push changes to the repository Get a working environment up in minutes with

application templates Use commands to check and debug your application Create and build Docker based images for your application   **Red Hat OpenShift Fundamentals, 3/e** Sander van Vugt,2019 3 Hours of Video Instruction In more than 3 hours of video instruction Red Hat OpenShift Fundamentals LiveLessons viewers will learn how to administer Red Hat OpenShift to manage containers in an enterprise environment and to integrate them in a DevOps environment Overview In more than 3 hours of video instruction Red Hat OpenShift Fundamentals LiveLessons viewers will learn how to administer Red Hat OpenShift to manage containers in an enterprise environment and to integrate them in a DevOps environment Red Hat OpenShift Fundamentals LiveLessons provides an introduction to working with containers in an OpenShift environment and covers all core aspects of working with containers in OpenShift OpenShift is an increasingly popular platform that helps you more easily deploy applications in an enterprise environment The platform helps developers to seamlessly roll out an application in the form of a completely operational container At the same time it allows administrators to manage the application life cycle in a flexible way where applications can be monitored for availability and easily scaled up and down if the workload requires it Learn how to get started with OpenShift in six lessons In the first lesson you ll learn how OpenShift can help you An explanation of what OpenShift is and how it relates to the Kubernetes platform is provided The second lesson discusses how to get started with OpenShift and different installation scenarios are demonstrated Lesson 3 shows how to deploy applications in OpenShift and Lesson 4 will explain software defined networking as implemented in OpenShift Lesson 5 discusses more advanced features such as pod scaling and node placement and Lesson 6 shows how to connect containers in OpenShift to storage With a combination of white board instruction demonstrations and CLI learning Sander van Vugt demystifies OpenShift Skill Level Beginner Intermediate Learn How To Understand when and how to use OpenShift depending on your environment Install the various versions of OpenShift Create applications from the web console Creating resources using the oc command line utility Use source to image to automatically build containers from the source code Use software defined networking and using SDN in OpenShift Work with applications including scaling Handle pod scheduling Manage images image streams and OpenShift templates Set up OpenShift storage Who Should Take This Course IT professionals that   **OpenShift for Developers** Joshua Wood,Brian Tannous,2021-09 Ready to build cloud native applications Get a hands on introduction to daily life as a developer crafting code on OpenShift the open source container application platform from Red Hat Creating and packaging your apps for deployment on modern distributed systems can be daunting Too often adding infrastructure value can complicate development With this practical guide you ll learn how to build deploy and manage a multitiered application on OpenShift Authors Joshua Wood and Brian Tannous demonstrate how OpenShift speeds application development With the Kubernetes container orchestrator at its core OpenShift simplifies and automates the way you build ship and run code You ll learn how to use OpenShift and the Quarkus Java framework to develop and deploy apps using proven enterprise technologies and practices that you can apply to code in any language Learn the

development cycles for building and deploying on OpenShift and the tools that drive them Use OpenShift to build deploy and manage the ongoing lifecycle of an n tier application Create a continuous integration and deployment pipeline to turn your source code changes into production rollouts Automate scaling decisions with metrics and trigger lifecycle events with webhooks **OpenShift for Developers** Joshua Wood,Brian Tannous,2021-09-30 Keen to build cloud native applications Get a rapid hands on introduction to OpenShift the open source container application platform from Red Hat With this updated edition you ll learn how to build deploy and host a modern multi tiered application on OpenShift OpenShift enables faster momentum for containers centering on the Kubernetes container orchestrator to automate the way you build ship and run applications Through the course of the book you ll learn how to use OpenShift and the Quarkus Java Framework to develop and deploy applications using proven enterprise technologies Learn about OpenShift s core technology including containers and Kubernetes Use a virtual machine with OpenShift installed and configured on your local computer Deploy existing container images on OpenShift Create and deploy your first application on the OpenShift platform Add language runtime dependencies and connect to a database service managed by Kubernetes Operators Utilize fast iterative development with odo the OpenShift CLI tool for developers Trigger an automatic rebuild and redeployment when you push changes to a repository Use commands to check and debug your application **Getting Started with OpenShift** Steve Pousty,Katie Miller,2014-05-14 Intrigued by the possibilities of developing web applications in the cloud With this concise book you get a quick hands on introduction to OpenShift the open source Platform as a Service PaaS offering from Red Hat You ll learn the steps necessary to build deploy and host a complete real world application on OpenShift without having to read long detailed explanations of the technologies involved Though the book uses Python application examples in other languages are available on GitHub If you can build web applications use a command line and program in Java Python Ruby Node js PHP or Perl you re ready to get started Dive in and create your first example application with OpenShift Modify the example with your own code and hot deploy the changes Add components such as a database task scheduling and monitoring Use external libraries and dependencies in your application Delve into networking persistent storage and backup options Explore ways to adapt your team processes to use OpenShift Learn OpenShift terms technologies and commands Get a list of resources to learn more about OpenShift and PaaS Using the IBM Block Storage CSI Driver in a Red Hat OpenShift Environment Detlef Helmbrecht,Simon Casey,Mathias Defiebre,Bertrand Dufrasne,Michael Schaefer,Harald Seipp,Ralf Wohlfarth,2021 RedHat OpenShift container platform is one of the leading enterprise grade container orchestration platforms It is designed for rapid deployment of web applications databases and microservices Categorized as a container orchestration Platform as a Service PaaS it is based on open industry standards such as the Container Runtime Interface Open CRI O and Kubernetes OpenShift allow developers to focus on the code while the platform manages the complex IT operations and processes Although open source community driven container orchestration platforms are available such as

OKD and Kubernetes this IBM Redpaper publication focuses on Red Hat OpenShift It describes the basic concepts of OpenShift persistent storage architecture and its integration into IBM Cloud Paks The deployment of the IBM block storage CSI driver also is discussed This publication also describes the concepts technology and current working practices for installing the Container Storage Interface CSI plug in for Kubernetes to use IBM Enterprise Storage platforms for persistent storage coupled with Red Hat OpenShift Container Platform OCP This publication also provides an overview of containers Kubernetes and Openshift for context it is expected that the reader has a working knowledge of these underlying technologies It also includes architectural examples of the orchestration platform will be given This paper serves as a guide about how to deploy the CSI driver for block storage by using the DS8000 and Spectrum Virtualize platforms as persistent storage in a Red Hat OpenShift platform The publication is intended for storage administrators IT architects OpenShift technical specialists and anyone who wants to integrate IBM Enterprise storage on OpenShift V4 3 4 4 4 5 on IBM Power IBM Z and x86 systems **DevOps with OpenShift** Stefano Picozzi,Mike Hepburn,Noel O'Connor,2017-07-10 For many organizations a big part of DevOps appeal is software automation using infrastructure as code techniques This book presents developers architects and infra ops engineers with a more practical option You ll learn how a container centric approach from OpenShift Red Hat s cloud based PaaS can help your team deliver quality software through a self service view of IT infrastructure Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift s developer and operational centric tools Discover how this infrastructure agnostic container management platform can help companies navigate the murky area where infrastructure as code ends and application automation begins Get an application centric view of automation and understand why it s important Learn patterns and practical examples for managing continuous deployments such as rolling A B blue green and canary Implement continuous integration pipelines with OpenShift s Jenkins capability Explore mechanisms for separating and managing configuration from static runtime software Learn how to use and customize OpenShift s source to image capability Delve into management and operational considerations when working with OpenShift based application workloads Install a self contained local version of the OpenShift environment on your computer **Creating Red Hat OpenShift Multiple Architecture Clusters with IBM Power** Tim Simon,Sambasiva Andaluri,Ivaylo Bozhinov,Carlos Jorge Cabanas Aguero,Carlo Castillo,Paul Chapman,Mandar Dixit,Pete Dragovich,Gayathri Gopalakrishnan,Vikash Gupta,Munshi Hafizul Haque,Youssef Largou,Mikhail Nikitin,Gabriel Padilla,Vinay Rajagopal,Borislav Ivanov Stoymirski,Sundaragopal Venkatraman,Henry Vo,IBM Redbooks,2025-08-21 The release of Red Hat OpenShift 4 14 brought the OpenShift Container Platform Multiple Architecture Compute feature to IBM Power Multi Arch Compute provides a single heterogeneous cluster enabling fit for purpose computing so clients can align tasks and applications to CPU strengths and software availability rather than one architecture This support was expanded in Red Hat OpenShift 4 15 which enabled a Red Hat OpenShift

cluster to support an IBM Power control plane and add x86 architecture worker nodes Multi Arch Compute for OpenShift Container Platform lets you use a pair of compute architectures such as ppc64le and amd64 within a single cluster This exciting feature opens new possibilities for versatility and optimization for composite solutions that span multiple architectures This Redbook provides a high level overview of Red Hat OpenShift which can be run on many different architectures We then present how IBM Power servers provide an extremely resilient and secure platform and how they can be an excellent platform for your cloud implementation using OpenShift We then describe the benefits of using a multi architecture cluster and provide implementation guidelines and advice to assist the reader in implementing a multi architecture cluster using IBM Power control plane nodes and x86 or AMD based worker nodes This Redbook is suitable for many levels including managers that need to understand how OpenShift on Power can help meet their business needs as well as supporting technical staff that are responsible for implementing those clusters   **IBM Spectrum Protect Plus: Protecting Red Hat OpenShift Containerized Environments** Axel Westphal,Pia Nymann,Neil Patterson,Alexis Jolin,Julien Sauvanet,Gauthier Siri,Joerg Walter,IBM Redbooks,2022-12-14 This IBM Redpaper publication describes support for Red Hat OpenShift Container Platform application data protection with IBM Spectrum Protect Plus It explains backup and restore operations for persistent volume data by using the Container Storage Interface CSI plug in The paper starts with an introduction and overview of containers and Red Hat OpenShift followed by a quick review of the IBM Spectrum Protect Plus architecture and functions Readers who are familiar with any one of these topics can skip the corresponding chapters Chapter 3 Installing IBM Spectrum Protect Plus as a containerized application reviews the specific case of deploying IBM Spectrum Protect Plus as a containerized application Chapter 4 Container Backup Support on page 71 Chapter 6 Using Container Backup Support review the support for containers backup the CSI and several options for installing configuring and the use of the backup as a service BaaS components as implemented and supported by IBM Spectrum Protect Plus Chapter 6 Using Container Backup Support also reviews the use case of backing up and restoring a containerized application in a consistent way by implementing pre and post backup tasks Finally Chapter 7 Red Hat OpenShift cluster disaster recovery solution describes a solution for a Red Hat OpenShift cluster recovery that combines Velero and IBM Spectrum Protect Plus restore operations   Using the IBM Block Storage CSI Driver in a Red Hat OpenShift Environment Detlef Helmbrecht,Simon Casey,Mathias Defiebre,Bert Dufrasne,Michael Schaefer,Harald Seipp,Ralf Wohlfarth,IBM Redbooks,2021-05-12 RedHat OpenShift container platform is one of the leading enterprise grade container orchestration platforms It is designed for rapid deployment of web applications databases and microservices Categorized as a container orchestration Platform as a Service PaaS it is based on open industry standards such as the Container Runtime Interface Open CRI O and Kubernetes OpenShift allow developers to focus on the code while the platform manages the complex IT operations and processes Although open source community driven container orchestration platforms are available such as

OKD and Kubernetes this IBM Redpaper publication focuses on Red Hat OpenShift It describes the basic concepts of OpenShift persistent storage architecture and its integration into IBM Cloud Paks The deployment of the IBM block storage CSI driver also is discussed This publication also describes the concepts technology and current working practices for installing the Container Storage Interface CSI plug in for Kubernetes to use IBM Enterprise Storage platforms for persistent storage coupled with Red Hat OpenShift Container Platform OCP This publication also provides an overview of containers Kubernetes and Openshift for context it is expected that the reader has a working knowledge of these underlying technologies It also includes architectural examples of the orchestration platform will be given This paper serves as a guide about how to deploy the CSI driver for block storage by using the DS8000 and Spectrum Virtualize platforms as persistent storage in a Red Hat OpenShift platform The publication is intended for storage administrators IT architects OpenShift technical specialists and anyone who wants to integrate IBM Enterprise storage on OpenShift V4 3 4 4 4 5 on IBM Power IBM Z and x86 systems *Building a Red Hat OpenShift Environment on IBM Z* Lydia Parziale,Alexandre de Oliveira,Anna Shugol,Elton de Souza,Wilhelm Mild,Rakesh Krishnakumar,Manoy Srinivasan,IBM Redbooks,2022-08-10 Cybersecurity is the most important arm of defense against cyberattacks With the recent increase in cyberattacks corporations must focus on how they are combating these new high tech threats When establishing best practices a corporation must focus on employees access to specific workspaces and information IBM Z focuses on allowing high processing virtual environments while maintaining a high level of security in each workspace Organizations not only need to adjust their approach to security but also their approach to IT environments To meet new customer needs and expectations organizations must take a more agile approach to their business IBM Z allows companies to work with hybrid and multi cloud environments that allows more ease of use for the user and efficiency overall Working with IBM Z organizations can also work with many databases that are included in IBM Cloud Pak for Data IBM Cloud Pak for Data allows organizations to make more informed decisions with improved data usage Along with the improved data usage organizations can see the effects from working in a Red Hat OpenShift environment Red Hat OpenShift is compatible across many hardware services and allows the user to run applications in the most efficient manner The purpose of this IBM Redbooks publication is to Introduce IBM Z and LinuxONE platforms and how they work with the Red Hat OpenShift environment and IBMCloud Pak for Data Provide examples and the uses of IBM Z with Cloud Paks for Data that show data gravity consistent development experience and consolidation and business resiliency The target audience for this book is IBM Z Technical Specialists IT Architects and System Administrators **MLOps with Red Hat OpenShift** Ross Brigoli,Faisal Masood,2024-01-31 Build and manage MLOps pipelines with this practical guide to using Red Hat OpenShift Data Science unleashing the power of machine learning workflows Key Features Grasp MLOps and machine learning project lifecycle through concept introductions Get hands on with provisioning and configuring Red Hat OpenShift Data Science Explore model training deployment and MLOps pipeline building with step by

step instructions Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionMLOps with OpenShift offers practical insights for implementing MLOps workflows on the dynamic OpenShift platform As organizations worldwide seek to harness the power of machine learning operations this book lays the foundation for your MLOps success Starting with an exploration of key MLOps concepts including data preparation model training and deployment you ll prepare to unleash OpenShift capabilities kicking off with a primer on containers pods operators and more With the groundwork in place you ll be guided to MLOps workflows uncovering the applications of popular machine learning frameworks for training and testing models on the platform As you advance through the chapters you ll focus on the open source data science and machine learning platform Red Hat OpenShift Data Science and its partner components such as Pachyderm and Intel OpenVino to understand their role in building and managing data pipelines as well as deploying and monitoring machine learning models Armed with this comprehensive knowledge you ll be able to implement MLOps workflows on the OpenShift platform proficiently What you will learn Build a solid foundation in key MLOps concepts and best practices Explore MLOps workflows covering model development and training Implement complete MLOps workflows on the Red Hat OpenShift platform Build MLOps pipelines for automating model training and deployments Discover model serving approaches using Seldon and Intel OpenVino Get to grips with operating data science and machine learning workloads in OpenShift Who this book is for This book is for MLOps and DevOps engineers data architects and data scientists interested in learning the OpenShift platform Particularly developers who want to learn MLOps and its components will find this book useful Whether you re a machine learning engineer or software developer this book serves as an essential guide to building scalable and efficient machine learning workflows on the OpenShift platform   Red Hat OpenShift Container Platform on IBM Z and LinuxONE Lydia Parziale,Anilkumar Patil,Rakesh Krishnakumar,Shrirang Kulkarni,Li Liyong,Victor Recio,Srirama Sharma,Richard Young,IBM Redbooks,2024-07-10 Whether you need to run mission critical workloads handle massive data volumes or support high demand applications Red Hat OpenShift Container Platform on IBM Z or IBM LinuxONE can give you the tools you need to build deploy and manage your applications Red Hat OpenShift Container Platform provides enterprise level support and additional features for large scale container deployments It includes advanced security and compliance features as well as management tools for monitoring and scaling containerized applications With advanced security features and flexible deployment options Red Hat OpenShift Container Platform on IBM Z or IBM LinuxONE provides scalability performance reliability and security This IBM Redpaper publication provides a basic understanding of Red Hat OpenShift Container Platform on IBM Z and LinuxONE discusses architectural considerations for implementation as well as resource considerations basic deployment examples and some best practices to move forwards in your own implementations It has been written for IT architects and IT specialists   Full Stack Development with JHipster Deepu K. Sasidharan,Sendil Kumar N,2018 Discover the world of Full Stack Development with real world examples Key Features Leverage the full power of the

JHipster platform to build complex web applications Create microservices from scratch and convert JHipster monolith apps into microservices Build and deploy applications locally in Docker and on various cloud platforms Book Description JHipster is a development platform to generate develop and deploy Spring Boot and Angular React applications and Spring microservices It provides you with a variety of tools that will help you quickly build modern web applications This book will be your guide to building full stack applications with Spring and Angular using the JHipster tool set You will begin by understanding what JHipster is and the various tools and technologies associated with it You will learn the essentials of a full stack developer before getting hands on and building a monolithic web application with JHipster From here you will learn the JHipster Domain Language with entity modeling and entity creation using JDL and JDL studio Moving on you will be introduced to client side technologies such as Angular and Bootstrap and will delve into technologies such as Spring Security Spring MVC and Spring Data You will learn to build and package apps for production with various deployment options such as Heroku and more During the course of the book you will be introduced to microservice server side technologies and how to break your monolithic application with a database of your choice Next the book takes you through cloud deployment with microservices on Docker and Kubernetes Going forward you will learn to build your client side with React and master JHipster best practices By the end of the book you will be able to leverage the power of the best tools available to build modern web applications What you will learn Build business logic by creating and developing entity models us the JHipster Domain Language Customize web applications with Angular Bootstrap and Spring Tests and Continuous Integration with Jenkins Utilize the JHipster microservice stack which includes Netflix Eureka Spring Cloud config HashiCorp Consul and so on Understand advanced microservice concepts such as API rout load balancing rate limit circuit break centralized configuration server JWT authentication and more Run microservices locally using Docker and Kubernetes in production Who this book is for This book will appeal to developers who would like to build modern web applications quickly A basic knowledge of the Spring ecosystem would be an added advantage An Implementation of Red Hat OpenShift Network Isolation Using Multiple Ingress Controllers Dino Quintero,Loïc Fura,Joyce Mak,VVeera Santoshi Chandanalakshmi Solasa,IBM Redbooks,2021-07-28 Red Hat OpenShift is a great platform for developing testing and running applications It handles multitenancy within Red Hat OpenShift Cluster by using users and namespaces which allows it to run different production applications and workloads on the same Red Hat OpenShift Cluster This IBM Redpaper describes network isolation on a multitenant Red Hat OpenShift cluster

The Enigmatic Realm of **Introduction To Openshift Red Hat**: Unleashing the Language is Inner Magic

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