

Technical Ops for Automation Series

[Start Here](#)

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In this chapter

[1. Executive Summary](#)[2. Introduction](#)

Executive Summary

This educational series targets intermediate-level infrastructure operators seeking to elevate their expertise in modern data center operations. By focusing on the architectural integration and automation critical for building resilient, self-sustaining systems, operators will be empowered to orchestrate complex environments ensuring their infrastructure is not only efficient but also robust against the challenges of the digital era.

Introduction

Expectation for Series

In the face of rapidly evolving digital landscapes, infrastructure operators must adapt to maintain robust, efficient, and automated systems. Recognizing this need, we are launching a comprehensive educational series targeted at intermediate-level operators. This series will elucidate the intricacies of modern infrastructure, emphasizing the symbiotic relationships between core technologies and operational strategies. Through a holistic approach, our intent is to transcend traditional siloed learning, fostering a systemic understanding necessary for architectural resilience and seamless automation.

The initiative stems from a clear trend: operators proficient in individual domains yet seeking deeper insight into the orchestration of complex systems. Using Digital Rebar as a cornerstone, the series will guide practitioners not just in configuration or isolated operation, but in the integration and interplay of diverse services—revealing the tapestry of dependencies and interactions that define a data center's functionality.

Our offerings will dissect the elements crucial to a successful data center infrastructure, from Linux and Windows operations to VMware management, shaping a narrative that binds discrete components into a unified operational doctrine. Instead of merely revisiting basic system setups, we aim to elevate the conversation, steering focus towards systemic integration and the automation of infrastructure—ultimately cultivating an ecosystem that is not only automated but also resilient and self-sustaining.

Series Focuses

1. **Intermediate to Advanced Learning:** The content is tailored to go beyond basics, which would help an operator who already has foundational knowledge and is looking to deepen their expertise.
2. **System-Level Understanding:** The emphasis on understanding how components interact within a system is critical for operators tasked with troubleshooting and optimizing complex environments.
3. **Practical Application:** By focusing on the architectural perspective and integration of services, operators can learn how to apply their knowledge in a practical, impactful way.

4. **Automation and Orchestration:** Given the direction towards automation and orchestration, learning how to automate not just tasks but entire system processes is particularly valuable.
5. **Comprehensive Guidance:** The series promises to be a comprehensive guide, which means an operator can expect to gain a well-rounded understanding of various aspects of data center operations.
6. **Resilience and Self-Sustenance:** The promise of building infrastructure that is resilient and self-sustaining would resonate with operators aiming for systems that require minimal intervention.
7. **Digital Rebar Enablement:** For those using or planning to use Digital Rebar, this series could provide specific insights into optimizing its use within their environments.

Welcome

Welcome to our dedicated series for modern infrastructure operators. As technology landscapes become more complex and integrated, the demand for an advanced operational understanding grows. This series is an endeavor to arm you with knowledge that extends beyond the confines of individual services and plunges into the realm of systematic infrastructure operations.

Throughout this journey, we will explore a broad spectrum of topics essential for building robust and automated systems. Our mission is to fill the gap between the operational knowledge imparted by conventional educational resources and the nuanced understanding required to navigate and integrate the multifaceted components of a data center.

By the end of this series, you will not just possess an intermediate knowledge of individual technologies; you will have a panoramic view of how these technologies coalesce to form the backbone of modern IT infrastructure. In essence, this series is not just a set of knowledge articles—it is a comprehensive guide designed to usher you into the future of infrastructure automation.

Prepare to delve into the depths of systems-level thinking and join us in creating a future where infrastructure operates not as an assortment of isolated services but as a harmonious, self-sustaining ecosystem. Let's begin this transformative journey together.

Chapters

- Please add links...
- [2nd draft: 20240213 TechOps 005 Containers](#)