



# VMware vRealize Operations Performance and Capacity Management

A hands-on guide to mastering performance and capacity management in a virtual data center

Foreword by:  
Ramin Sayar, SVP and GM, Management BU, VMware  
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# Vmware Vrealize Operations Performance And Capacity Management

**Valentin Hamburger**



## **Vmware Vrealize Operations Performance And Capacity Management:**

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**VMware Performance and Capacity Management** Iwan 'e1' Rahabok, 2016-03-31 Master SDDC Operations with proven best practices About This Book Understand the drawbacks of the traditional paradigm and management that make operations difficult in SDDC Master performance and capacity management in Software Defined Data Center Operationalize performance and capacity monitoring with proven dashboards Who This Book Is For This book is primarily for any system administrator or cloud infrastructure specialist who is interested in performance management and capacity management using VMware technologies This book will also help IT professionals whose area of responsibility is not VMware but who work with the VMware team You can be Windows Linux Storage or Network team or application architects Note that prior exposure to the VMware platform of data center and cloud based solutions is expected What You Will Learn Simplify the task of performance and capacity management Master the counters in vCenter and vRealize Operations and understand their dependency on one another Educate your peers and management on SDDC Operations Complete your SDDC monitoring to include non VMware components Perform SDDC performance troubleshooting Explore real life examples of how super metric and advanced dashboards Introduce and implement a Performance SLA Accomplish your Capacity Management by taking into service tiering and performance SLA In Detail Performance management and capacity management are the two top most issues faced by enterprise IT when doing virtualization Until the first edition of the book there was no in depth coverage on the topic to tackle the issues systematically The second edition expands the first edition with added information and reorganizing the book into three logical parts The first part provides the technical foundation of SDDC Management It explains the difference between a software defined data center and a classic physical data center and how it impacts both architecture and operations From this strategic view it zooms into the most common challenges performance management and capacity management It introduces a new concept called Performance SLA and also a new way of doing capacity management The next part provides the actual solution that you can implement in your environment It puts the theories together and provides real life examples created together with customers It provides the reasons behind each dashboard so that you get the understanding on why it is required and what problem it solves The last part acts as a reference section It provides a complete reference to vSphere and vRealize Operations counters explaining their dependencies and providing practical guidance on the values you should expect in a healthy environment Style and approach This book covers the complex topic of managing performance and capacity in an easy to follow style It relates real world scenarios to topics in order to help you implement the book's teachings on the go

**Mastering vRealize Operations Manager** Scott Norris, Christopher Slater, 2015-05-25 If you are an administrator of a

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**VMware Performance and Capacity Management, Second Edition** Iwan 'E1' Rahabok, 2016-03-30 Master SDDC Operations with proven best

practices

**About This Book** Understand the drawbacks of the traditional paradigm and management that make operations difficult in SDDC Master performance and capacity management in Software Defined Data Center Operationalize performance and capacity monitoring with proven dashboards

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**In Detail** Performance management and capacity management are the two top most issues faced by enterprise IT when doing virtualization Until the first edition of the book there was no in depth coverage on the topic to tackle the issues systematically The second edition expands the first edition with added information and reorganizing the book into three logical parts The first part provides the technical foundation of SDDC Management It explains the difference between a software defined data center and a classic physical data center and how it impacts both architecture and operations From this strategic view it zooms into the most common challenges performance management and capacity management It introduces a new concept called Performance SLA and also a new way of doing capacity management The next part provides the actual solution that you can implement in your environment It puts the theories together and provides real life examples created together with customers It provides the reasons behind each dashboard so that you get the understanding on why it is required and what problem it solves The last part acts as a reference section It provides a complete reference to vSphere and vRealize Operations counters explaining their dependencies and providing practical guidance on the values you should expect in a healthy environment

**Style and approach** This book covers the complex topic of managing performance and capacity in an easy to follow style It relates real world scenarios to topics in order to help you implement the book's teachings on the go

*Building VMware Software-Defined Data Centers* Valentin Hamburger, 2016-12-12 Make the most of software defined data centers with revolutionary VMware technologies

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problem statements for you and then brief you on respective solutions Moving on all kinds of virtualization and Cloud offerings from AWS and IBM Soft Layer are introduced and discussed in detail Then you ll learn how to design IT infrastructures for new and existing applications with a combination of Cloud Foundation vRealize Suite and vSphere enabled with VSAN and NSX Furthermore you ll learn how to design and configure high availability disaster recovery and apply an appropriate compliance matrix Toward the end of the book you will learn how to calculate the TCO ROI along with the VMware products packaging and licensing in detail What you will learn Install and configure the Cloud foundation with Cross Cloud services Configure vSphere high availability with the vCenter redundancy setup Architect and configure VMware with AWS Cloud Deploy VMware components in IBM Soft Layer Extend your DR setup with VMware to consume DRaaS Design and configure software defined networking Implement compliance regulations to fix violations Who this book is for This book is for administrators Cloud architects and network engineers who want to globalize their infrastructure using VMware and AWS services An initial setup of workloads and data center is beneficial **Learning VMware vCloud Air** Yohan Rohinton Wadia,2015-07-31 VMware vCloud Air is a cloud offering by VMware that provides you with the flexibility and agility to create and manage your virtualized workloads with ease on a VMware backed cloud platform This book starts off by providing you with a few key features and benefits of cloud computing along with some interesting real world use cases You ll walk through how to integrate your vCloud Air with either an on premise VMware based private cloud or a different public cloud provider Next you ll explore the performance and workloads of your vCloud Air instance using VMware vRealize Operations Manager Finally you ll also learn how to leverage vCloud Air s Disaster Recovery as a Service DRaaS offering

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web prepare for this activity by cutting the large pieces of art paper into long strips approximately 18 x 4 explain to the children that this activity will help them to learn the nicene creed divide the children into groups or allow them to choose a partner give each group 18 strips of paper all the same color

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