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focus exclusively on the azure resource manager arm deployment model for azure automation and gain in depth knowledge of topics such as runbook authoring different types of automation runbooks and hybrid cloud automation this book covers practical approaches to creating runbooks for multiple use cases including operational tasks such as vm management and

integration of azure automation with infrastructure monitoring solutions such as operations management suite oms along the way you ll see how to use powershell in azure automation and cover essentials including azure automation security source control integration and runbook output streams finally you learn about integrating azure automation with desired state configuration dsc to include various cloud on premise and hybrid scenarios what you will learn work with the building blocks of azure automation create different types of runbook master hybrid cloud automation with arm implement cloud automation use cases with practical examples who this book is for infrastructure and cloud architects cloud support engineers and system administrators

this book goes deeply into the world of algorithms and computational theory and its astounding influence on numerous engineering areas the book s carefully chosen content highlights the most recent studies approaches and real world applications that are revolutionising engineering the book is structured into distinct sections each of which examines an important topic in computational theory and algorithms the authors propose cutting edge optimisation methods that revolutionise the way engineers approach engineering problems by allowing them to solve complicated issues quickly and effectively the book illustrates the techniques and equipment used in the fields of data science and big data analytics to glean insightful information from enormous databases data visualisation predictive modelling clustering and anomaly detection are a few examples of how algorithms are used to find patterns and trends that help engineers make well informed decisions before being physically implemented complex systems are built tested and optimised in the virtual environment thanks to computational modelling and simulation the book examines numerical techniques finite element analysis computational fluid dynamics and other simulation techniques to highlight how algorithms are changing engineering system design and performance optimisation the book also delves into the intriguing field of robotics and control systems the book s readers will learn about the algorithms that advance sensor fusion intelligent control path planning and real time systems paving the way for innovations in autonomous driving industrial automation and smart cities readers will learn more about how algorithms and computational theory are modifying engineering environments opening up new opportunities and changing industries by examining the book s chapters this book is a must have for anyone looking to keep on top of the intersection of algorithms computational theory and engineering applications because of its concentration on practical applications and theoretical breakthroughs

this book includes selected peer reviewed papers presented at the international conference on modeling simulation and

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