



Deploying F5 with Microsoft SharePoint 2013 and 2010

Included in the F5 deployment guide for Microsoft® SharePoint®, this document contains guidance on configuring the BIG-IP system, version 11.4 and later for Microsoft SharePoint 2010 and 2013 implementations, resulting in a secure, fast, and available deployment. This guide shows how to quickly and easily configure the BIG-IP system using the SharePoint App Application template. There is also an appendix with minimal configuration tables for users who prefer to create each individual object.

Why F5?

F5 offers a complete suite of application delivery technologies designed to provide a highly scalable, secure, and responsive SharePoint deployment. In addition, the F5 solution for SharePoint Server includes management and monitoring features to support a cloud computing infrastructure.

- F5 can reduce the burden on servers by monitoring SharePoint Server responsiveness across multiple ports and protocols, driving intelligent load balancing decisions.
- The BIG-IP Access Policy Manager, F5's high-performance access and security solution, can provide proxy authentication and secure remote access to Microsoft SharePoint.
- Access Policy Manager enables secure mobile device access management, as well as user authentication to SharePoint.
- CPU-intensive operations such as compression, caching, and SSL processing can be offloaded onto the BIG-IP system, which can exceed SharePoint Server capacity by 80%.
- F5 iWAM optimization technology can dramatically increase SharePoint performance.
- F5 enables organizations to achieve dramatic bandwidth reduction for remote office SharePoint users.
- F5 protects SharePoint deployments that help run your business with powerful application-level protection, as well as session- and protocol-level security. This includes using the App template to deploy the BIG-IP Advanced Firewall Manager.
- F5 can be used as a reverse proxy alternative to TMG.

Products and applicable versions

Product/Component/Version	Version
BIG-IP LTM, AAM, AFM, WAF, ATM	11.4 - 11.6
Microsoft SharePoint	2010, 2013
App version	Microsoft_SharePoint_2010_2013_v1.2.2
Deployment Guide version	1.1 (see Document Version History on page 64)
Last updated	09/11/2017

Visit the Microsoft page of F5 in the developer community DevCentral for Microsoft forums, solutions, blogs and more: <http://www.f5.com/resources>

Important: When using you are using the most recent version of the deployment guide, available at <http://www.f5.com/resources/deployment-guides/microsoft-sharepoint-2010-2013-11.4-11.6>

To provide feedback on this deployment guide or other F5 solution documents, contact us at support@f5.com

What is F5 iApp?



F5 Sharepoint 2013 Deployment Guide

**Steve Fox,Chris Johnson,Donovan
Follette**



F5 Sharepoint 2013 Deployment Guide:

SharePoint 2013 Field Guide Errin O'Connor, 2014-05-27 Covers SharePoint 2013 Office 365 s SharePoint Online and Other Office 365 Components In SharePoint 2013 Field Guide top consultant Errin O Connor and the team from EPC Group bring together best practices and proven strategies drawn from hundreds of successful SharePoint and Office 365 engagements Reflecting this unsurpassed experience they guide you through deployments of every type including the latest considerations around private public and hybrid cloud implementations from ECM to business intelligence BI as well as custom development and identity management O Connor reveals how world class consultants approach plan implement and deploy SharePoint 2013 and Office 365 s SharePoint Online to maximize both short and long term value He covers every phase and element of the process including initial whiteboarding consideration around the existing infrastructure IT roadmaps and the information architecture IA and planning for security and compliance in the new IT landscape of the hybrid cloud SharePoint 2013 Field Guide will be invaluable for implementation team members ranging from solution architects to support professionals CIOs to end users It s like having a team of senior level SharePoint and Office 365 hybrid architecture consultants by your side helping you optimize your success from start to finish Detailed Information on How to Develop a 24 36 month roadmap reflecting initial requirements longterm strategies and key unknowns for organizations from 100 users to 100 000 users Establish governance that reduces risk and increases value covering the system as well as information architecture components security compliance OneDrive SharePoint 2013 Office 365 SharePoint Online Microsoft Azure Amazon Web Services and identity management Address unique considerations of large global and or multilingual enterprises Plan for the hybrid cloud private public hybrid SaaS PaaS IaaS Integrate SharePoint with external data sources from Oracle and SQL Server to HR ERP or document management for business intelligence initiatives Optimize performance across multiple data centers or locations including US and EU compliance and regulatory considerations PHI PII HIPAA Safe Harbor etc Plan for disaster recovery business continuity data replication and archiving Enforce security via identity management and authentication Safely support mobile devices and apps including BYOD Implement true records management ECM RM to support legal compliance requirements Efficiently build custom applications workflows apps and web parts Leverage Microsoft Azure or Amazon Web Services AWS

Beginning SharePoint 2013 Development eBook and SharePoint-videos.com Bundle Steve Fox, Chris Johnson, Donovan Follette, Asif Rehmani, 2014-03-10 Beginning SharePoint 2013 Development eBook and SharePoint videos com Bundle

The Ultimate SharePoint Performance Guide! Vlad Catrinescu, Gokan Ozcifci, 2018-02-08 We chose to implement SharePoint in our organization because of it s awesome speed is something you don t hear often if at all The truth is that SharePoint is an enterprise platform with numerous advantages and built in features to make you and your organization more productive but what if it s not correctly configured Your users are going to painfully stare at the famous working on it page multiple times per day As a SharePoint IT

Professional or SQL Server DBA you have the power to tweak multiple SharePoint and SQL Server settings to increase your SharePoint performance for assuring your users happiness when using SharePoint every day This is an ultimate guidance on performance for SharePoint Server inspired both by Microsoft s best practices and real life experiences from countless deployments on the field In this book you ll learn the following How to configure the foundation of your platform Windows Server for maximum performance How to optimize SQL Server for SharePoint Server and what tasks you should do to keep it performing What configuration mistakes can make your SharePoint Server acting very slow and how you can fix them How to optimize your user s performance in a SharePoint Online environment part of Office 365 even if you don t have access to Microsoft s servers Stop frustrating your users with a slow SharePoint performance and configure SharePoint for maximum performance today

Beginning SharePoint 2013 Development Steve Fox,Chris Johnson,Donovan Follette,2013-01-31 A complete revision to a popular SharePoint developer s resource Fully updated for SharePoint 2013 this book is an ideal starting place for SharePoint development Covering all the major topics that a new developer needs to know in order to get started this resource contains 100 percent new content and addresses the major overhaul to the SharePoint 2013 platform The team of authors led by Microsoft s Steve Fox presents you with a detailed overview that helps you establish a starting point for development They then walk you through ways to advance your knowledge so that you leverage the new SharePoint 2013 features to build custom solutions Addresses developing managed or unmanaged applications Provides an overview of Windows Azure for SharePoint Looks at common developer tasks in SharePoint 2013 Gets you started with building packaging and deploying SharePoint 2013 applications Highlights essential points of security in SharePoint 2013 Touching on everything from developing applications using Office services to development workflow applications

Beginning SharePoint 2013 Development covers everything you need to know to start confidently working with the platform today

Microsoft SharePoint 2013 Pocket Guide Ben Curry,Benjamin Daniel Curry,Jason Batchelor,Jay Simcox,Shane King (Electronic data processing consultant),2013 This is your most concise practical reference to deploying configuring and running SharePoint 2013 Perfect for admins at all levels it covers both technical topics and business solutions

SharePoint MVP Ben Curry focuses on the crucial step by step information for performing day to day tasks quickly reliably and well No obscure settings abstract theory or hype just help you can really trust and really use

Install SharePoint Server 2013 Configure farms and databases Create and extend web applications Set up and scale service applications Deploy and manage sites collections Implement BI solutions Integrate Excel Services and PowerPivot Configure enterprise content types and metadata Deploy Enterprise Search Manage documents and web content Brand your site Deliver social tools including microblogging Back up and restore

Deploying SharePoint 2016 Vlad Catrinescu,Trevor Seward,2016-11-09 Learn how to install configure and maintain the latest release of Microsoft s popular SharePoint Server SharePoint 2016 This latest version brings with it many changes for IT professionals With this book you will learn how to create an efficient and stable SharePoint environment for your

organization What You ll Learn Install SharePoint Server 2016 both using the user interface provided by Microsoft and by using PowerShell Understand your authentication options and associated security considerations Deploy add ins either from the store or from your own custom app catalog Configure Search Service Application using either the provided UI or PowerShell Configure business intelligence components such as Excel Services SQL Server Reporting Services and PowerPivot Migrate to SharePoint Server 2016 from either SharePoint Server 2010 or 2013 Understand approaches to high availability disaster recovery patching and ways to monitor and maintain your SharePoint 2016 deployment once it s up and running Who This Book Is For Anyone tasked with installing configuring and maintaining SharePoint Server 2016 in their organization This book assumes some working knowledge of a previous release of SharePoint Server such as SharePoint 2010 or SharePoint 2013

A Practical Guide to SharePoint 2013 Saifullah Shafiq, 2014-02-06 This book is a complete practical guide It s full of useful tips and exercises to get users started in no time It has no fluff just practical exercises that will provide users the knowledge and know how to implement SharePoint solutions easily and professionally SharePoint has a steep learning curve Without a book like this it will probably take users months to learn SharePoint This book will save users great deal of time because it contains ready to use solutions and expert advice from someone who is a subject matter expert This book has everything that users need to equip themselves to work professionally on SharePoint projects The author is a 7 times awardee of the Microsoft Most Valuable Professional MVP award SharePoint is a huge product Each component or feature deserves a separate book Discussing all great features in detail in one book is not possible Author has tried to include the necessary content that will help users get started straight away For beginners the main problem they face is to setup an environment for SharePoint deployment This book shows how to prepare the environment and then install each piece of software one by one The initial chapters of the book focus on SharePoint infrastructure and deployment and show how to install SharePoint 2013 on a clean machine The intended audience of these chapters is people who are looking to become SharePoint 2013 administrators Network administrators who want to learn SharePoint administration will gain lot of useful information from these chapters Chapters in the later part of the book contain information on some of the popular features of SharePoint 2013 These chapters discuss creating web enabled InfoPath forms securing sites with SSL setting up Extranets etc These chapters are for the power users and advanced users The book guides users in a step by step format and explains everything needed to install the software This includes preparing the machine for the installation Each exercise in the book is accompanied by screenshots so that even if a user gets stuck during the exercise he can refer to the screenshot to get a better understanding of the step he is stuck on Clear and crisp screenshots make this book unique Some of the topics discussed in the book are advanced but explained in a very simple way with the help of screenshots This book is structured to build logically on the skills you learn as you progress through it After the initial introduction and deployment chapters the book moves into the more advanced part of the platform Each chapter focuses on a new feature If you are an advanced user

you can skip the initial chapters and go directly to the topic that you are interested in Some of the topics discussed in the book are as following SharePoint Deployments Configure Active Directory SQL Server IIS Roles SharePoint Cloud Setup SharePoint in the cloud Office 365 Development Create your first SharePoint app in the cloud SharePoint Modern Apps Modern state of the art applications using HTML5 and SharePoint 2013 Extranets Business Processes Leverage Business Connectivity Services to build Line of Business applications Web Parts Development Understand and learn to develop web parts Electronic Forms Learn to program web enabled electronic forms using InfoPath Public Websites Design a branded public website using SharePoint Online Office 365 SharePoint 2013 Search Learn Search configuration customization Managed Metadata SharePoint 2013 Branding Learn how to brand sites to look elegant classy and professional

SharePoint 2013 Errin O'Connor, 2014 Covers SharePoint 2013 Office 365 s SharePoint Online and Other Office 365 Components In SharePoint 2013 Field Guide top consultant Errin O Connor and the team from EPC Group bring together best practices and proven strategies drawn from hundreds of successful SharePoint and Office 365 engagements Reflecting this unsurpassed experience they guide you through deployments of every type including the latest considerations around private public and hybrid cloud implementations from ECM to business intelligence BI as well as custom development and identity management O Connor reveals how world class consultants approach plan implement and deploy SharePoint 2013 and Office 365 s SharePoint Online to maximize both short and long term value He covers every phase and element of the process including initial whiteboarding consideration around the existing infrastructure IT roadmaps and the information architecture IA and planning for security and compliance in the new IT landscape of the hybrid cloud SharePoint 2013 Field Guide will be invaluable for implementation team members ranging from solution architects to support professionals CIOs to end users It s like having a team of senior level SharePoint and Office 365 hybrid architecture consultants by your side helping you optimize your success from start to finish Detailed Information on How to Develop a 24 36 month roadmap reflecting initial requirements longterm strategies and key unknowns for organizations from 100 users to 100 000 users Establish governance that reduces risk and increases value covering the system as well as information architecture components security compliance OneDrive SharePoint 2013 Office 365 SharePoint Online Microsoft Azure Amazon Web Services and identity management Address unique considerations of large global and or multilingual enterprises Plan for the hybrid cloud private public hybrid SaaS PaaS IaaS Integrate SharePoint with external data sources from Oracle and SQL Server to HR ERP or document management for business intelligence initiatives Optimize performance across multiple data centers or locations including US and EU compliance and regulatory considerations PHI PII HIPAA Safe Harbor etc Plan for disaster recovery business continuity data replication and archiving Enforce security via identity management and authentication Safely support mobile devices and apps including BYOD Implement true records management ECM RM to support legal compliance requirements Efficiently build custom applications workflows apps and web parts Leverage

Microsoft Azure or Amazon Web Services AWS *Configuring SharePoint 2013 Server for Apps Development & Deployment*
Kameswara Sarma Uppuluri, 2016 This concise practical course provides SharePoint developers and SharePoint administrators with a thorough in depth guide to configuring the SharePoint 2013 platform for developing and deploying apps In this course by development expert Kameswara Sarma Uppuluri you ll learn the essential concepts that you need to know to start configuring the SharePoint 2013 In Premises server You ll get to grips with topics such as permissions services domains and registry settings in order to develop and deploy your own SharePoint applications You will learn such essential skills as configuring DNS Manager creating app domains configuring SharePoint 2013 Management Services and granting adequate permissions to Active Directory users This course provides step by step walk throughs and demos and you are encouraged to configure your SharePoint setup alongside the video to enhance the learning process Resource description page

SharePoint 2013 Unleashed Michael Noel, Colin Spence, 2013-08-19 Buy the print SharePoint 2013 Unleashed and get the eBook version for free See inside the book for access code and details SharePoint 2013 Unleashed is the most complete practical resource for all administrators managers architects users and developers to make the most of Microsoft s powerful new SharePoint 2013 platform Drawing on their experience implementing SharePoint solutions in hundreds of organizations Michael Noel and Colin Spence focus on what administrators and knowledge workers really need to know to effectively design implement configure and use SharePoint 2013 They fully address key SharePoint 2013 innovations such as PowerShell scripting to automate administration and farm provisioning better virtualization support improved security and authentication new business intelligence tools social networking improvements enhanced lists libraries metadata and more Step by step through easy to understand examples they help you streamline administration optimize performance control cost and implement high value solutions for collaboration document and web content management and business intelligence Detailed information on how to Optimize your SharePoint 2013 design deployment plan right size your server farm s and improve scalability Reduce costs by virtualizing your SharePoint environment and automating farm deployment Optimize search with metadata content types and taxonomies Streamline management with PowerShell and the SharePoint Central Administration tool Efficiently monitor back up and restore SharePoint environments Understand new Shredded Storage capabilities and new Service Applications built into the infrastructure layer of SharePoint Deploy SharePoint s improved social networking features including microblogging Deploy SharePoint as an extranet using various external authentication providers Use powerful out of the box workflows and create your own with SharePoint Designer 2013 and Visual Studio 2013 Build Business Intelligence solutions with PerformancePoint and Business Connectivity Services

The Enigmatic Realm of **F5 Sharepoint 2013 Deployment Guide**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **F5 Sharepoint 2013 Deployment Guide** a literary masterpiece penned by way of a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of those that partake in its reading experience.

https://staging.conocer.cide.edu/About/publication/fetch.php/human_neutrophils.pdf

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the objectives of the boiling point determination lab were to determine the boiling point of a mystery substance provided to each student boiling point is the point at which a liquid changes physical states and becomes a vapor or gas boiling point is important to understand because it can be used to help distinguish between different substances

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the boiling point of an organic liquid is the temperature at which its vapour pressure equals the atmospheric pressure over the liquid or it is the temperature at which the vapour and liquid phases are in equilibrium at a given pressure the boiling point is considered as a criterion of purity of a compound and is useful for identification of

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given that the boiling points of ethanol and methanol 78 c and 64 c respectively are far off in a significant way this seems like a valid conclusion conclusion thermometer calibrations are necessary in order to collect reliable information as precise calculations are imperative to gathering correct results

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melting point 1 a push the open end of a capillary tube into the powdered acetamide b move the powder to the closed end of the capillary tube by tapping it on the table repeat until the the powdered acetamide occupies 1 2 mm of the capillary tube end c

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boiling point determination lab report conclusion objectives to correctly measure boiling issues of various liquids and identify an unknown liquid based on its boiling point background information objects can be distinguished into acid properties and physical properties

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discussion and conclusion the technique recrystallization was used because it is a simple method to purify a solid compound

the percentage yield for benzoic acid and acetanilide acid being high indicated the initial sample had a low concentration of impurities with the melting point being in a specific

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introduction in this lab we will be using boiling points melting points and infrared spectrometry to identify unknown compounds boiling points are affect by three key factors the first being intermolecular forces inter molecular affect boiling point based on bond strength

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determination of boiling points introduction the boiling point of a compound is the temperature at which it changes from a liquid to a gas this is a physical property often used to identify substances or to check the purity of the compound it

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clean up solid and liquid spills immediately true g conclusions after conducting the boiling point determination lab it can be concluded that the unknown substance 193 is isopropyl alcohol on account of its observed boiling point of 88 c

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conclusion after completing this experiment the melting point of three different unknown compounds was obtained using the mel temp apparatus compound a had a melting point range of 114 6 115 5 c thus revealing it to be acetanilide compound b had a melting point range of 122 6 124 5 c thus

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nov 27 2019 essay sample the purpose of this experiment is to determine the boiling points of various organic compounds and to use these to identify unknowns equipment free essays

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melting point can be used as the identity and purity of an organic solid however it is not the same as the boiling point the boiling point is a characteristic unique of pure liquids the boiling point is the temperature at which the vapor pressure of a liquid is equal to the atmospheric pressure

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aug 11 2020 boiling points are very sensitive to changes in applied pressure so all boiling points should be reported with the measured pressure a compound s normal boiling point refers to its boiling point at a pressure of 760 text mm ce hg

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the purpose of the experiment is to understand what vapour pressure is and how it changes with temperature to understand the relationship between vapour pressure at a given temperature and boiling temperature at a given pressure to determine the vapour pressure of a pure liquid at various temperatures

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exploring boiling points abstract in this experiment we are given a set of straight chain alkanes and a set of compounds to compare by following the trendline of the straight chain alkanes it could be concluded that as the molar mass of the straight chain alkanes increases their boiling points increase as well

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laboratory partners samantha and mackenzie goals □ correctly determine the boiling point of an unknown liquid □ measure the refractive index of an unknown □ use the gas chromatogram to determine the mass percentage of a mixture and

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50 c so in order to convert an experimental measurement taken in calgary which is at higher altitude than sea level and so is at a lower pressure to that reported for sea level higher pressure one needs to add a correction factor since the boiling point at sea level is higher than that at higher altitudes

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introduction in chemistry one may encounter an unknown substance that needs to be determined by physical properties such as boiling point melting point density solubility etc in this experiment i am to figure out the boiling point of a mystery substance in order to identify it chemical responsibility this experiment requires the handling of a bunsen burner boiling

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there are a variety of methods by which a sample's boiling point can be determined including distillation reflux and by using a thiele tube the most straightforward method uses a thiele tube and has the advantage of using less than 0.5 ml of material

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