Microsoft

SharePoint Server 2019

Reviewer's Guide

Contents

Why choose SharePoint Server 2019?

The business climate has changed. People expect to be productive across networks and devices, while boundaries between business units and roles have blurred. Moving forward, people want to communicate without collaborative barriers.

For businesses, you want your collaboration, communication, and productivity solutions to be both cost-effective and flexible. SharePoint Server 2019 is designed to help you achieve new levels of reliability and performance, delivering features and capabilities that simplify administration, protect communications and information, and empower your users to work across devices and screens.
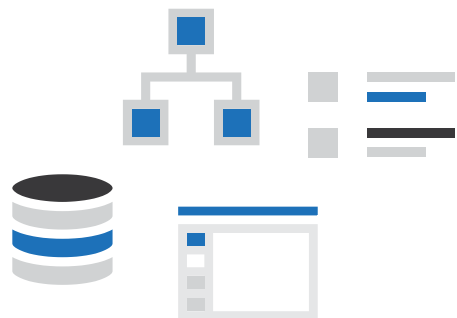
SharePoint Server 2019 is the next-generation server product, building on the solid foundation delivered with SharePoint Server 2016 and investments in Microsoft Office 365 to:

- Enable productive experiences across desktop and mobile

- Provide a scalable and flexible collaboration and communications platform

- Increase productivity with an intuitive user experience

SharePoint is preferred by businesses who need an adaptable solution that delivers rich and productive experiences. As with SharePoint Server 2016, SharePoint Server 2019 has been designed, developed, and tested with the Microsoft Software as a Service (SaaS) strategy, building on Office 365 as its core. Drawing extensively from the success of SharePoint Online, SharePoint Server 2019 offers new and improved deployment options:

- A traditional on-premises deployment

- A hosted service with Office 365 sites powered by SharePoint Online

- Deployment in Microsoft Azure Infrastructure as a Service (IaaS)

- A mix of these options with a hybrid approach

You can choose how and when you take advantage of on-premises or cloud-based solutions, all while benefitting from a consistent and familiar user experience.
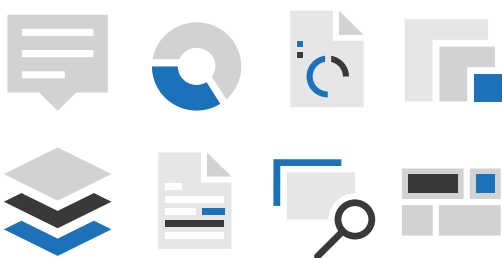
Share and work together

These days, successful interactions with technology are defined by more than "look and feel." Great experiences are visually captivating and work flawlessly. They entertain and engage with rich, contextual, and relevant content. They ensure reliability, performance, and security under real-world pressures of scale and complexity. Plus, they're easy to use.

Inform and engage

Across your business exist valuable ideas and information. SharePoint Server 2019 helps bring these ideas—and the people responsible for them—together for greater impact. As a core part of your collaboration and communications strategy, SharePoint Server 2019 provides content management and collaboration capabilities that seamlessly integrate with the other applications people use every day to create and co-author documents, meet and work with their teams, brainstorm, analyze, and make decisions. When choosing an Office 365 hybrid solution, you can also integrate SharePoint Server 2019 with powerful cross-suite capabilities such as OneDrive for Business, Office Graph, and additional governance controls for security, privacy, and compliance.

Transform business processes

Achieving digital transformation and delivering business value requires new tools and techniques for reinventing business processes. No-code and low-code applications have long been essential to the success of SharePoint, and SharePoint Server 2019 takes the next steps with new capabilities for building robust business solutions. These capabilities range from enhanced list and library experiences to improved support of Microsoft Flow, Microsoft PowerApps, and more.

This guide walks through the new features and capabilities that can help you transform your business processes.

Share and work together

Intuitive

Thanks to cloud computing, ubiquitous connectivity, and personal digital devices, we've come to expect that we can put technology to use wherever we are, whenever we want, and with whatever gadget we have.

Our work life and personal life have blended, and you often may need to be productive from home, from your local coffee shop, or even at the beach. And chances are you're using a mobile device—a phone, laptop, or tablet—to do that work. In a world that's mobile, social, and all about getting things done on the go, those devices and the apps on them are indispensable.
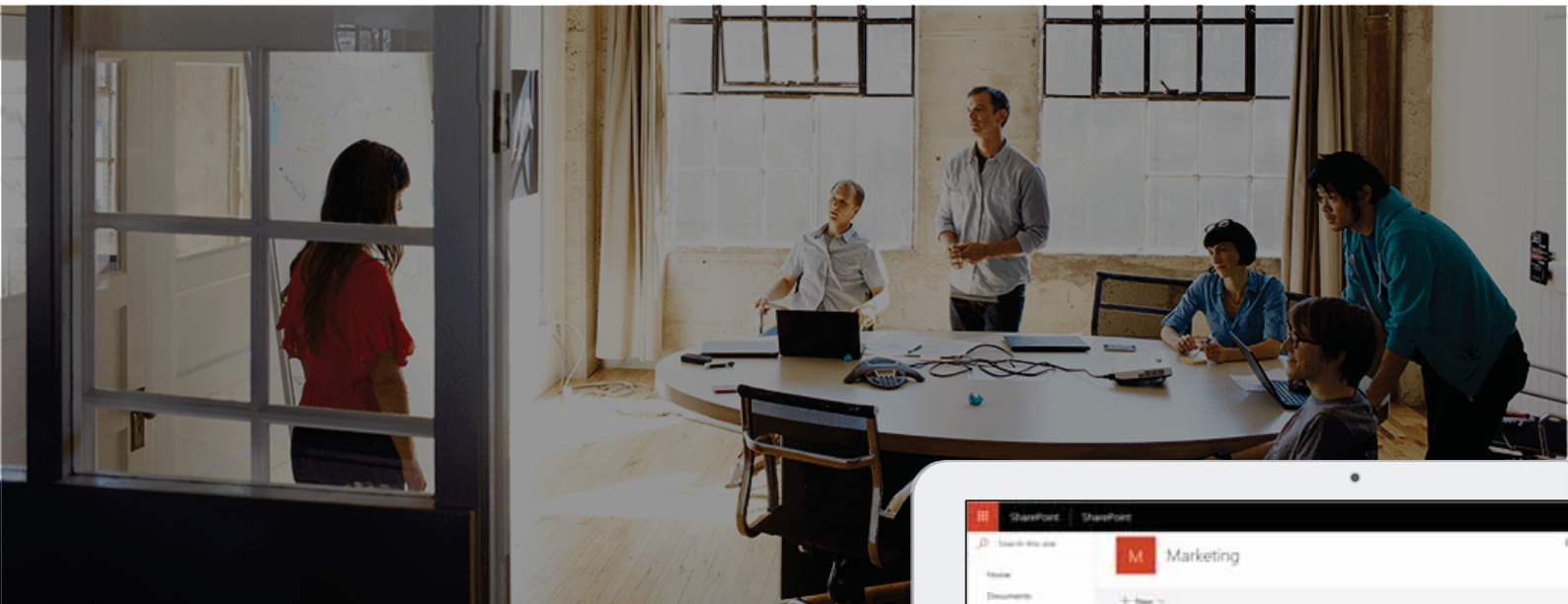
Connect content, information, and apps
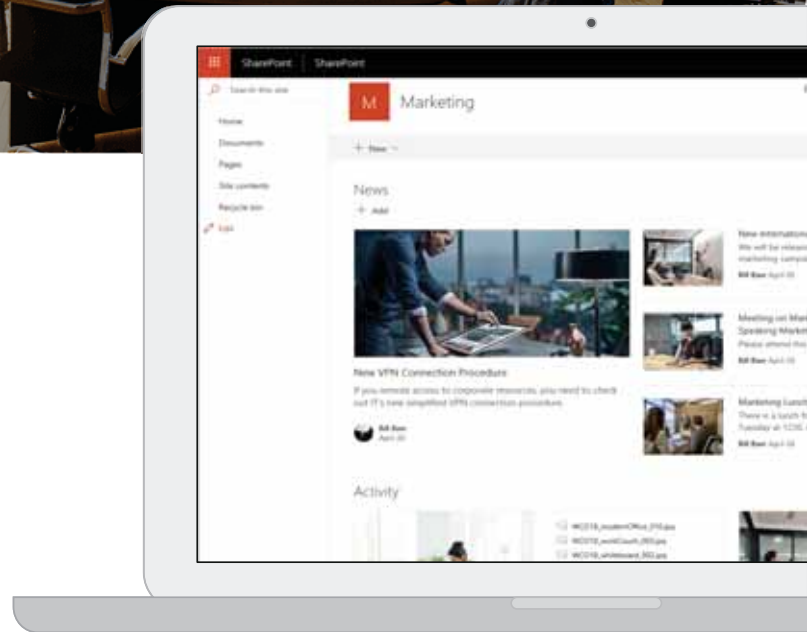
Modern team sites

A SharePoint team site connects you and your team to the content, information, and apps you rely on every day. Team sites have always been at the heart of collaboration with SharePoint. They enable sharing and communication within teams and across organizations.

In SharePoint Server 2019, you'll find a modern team site experience with an engaging home page personalized by the power of SharePoint search.
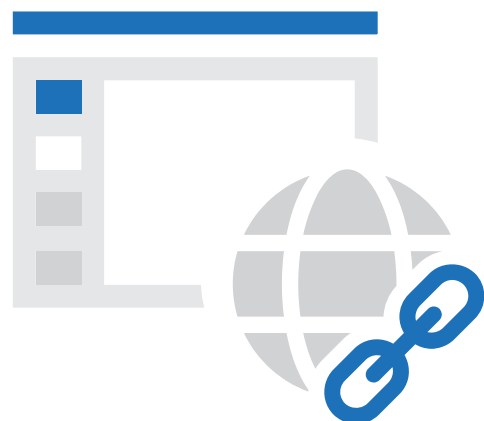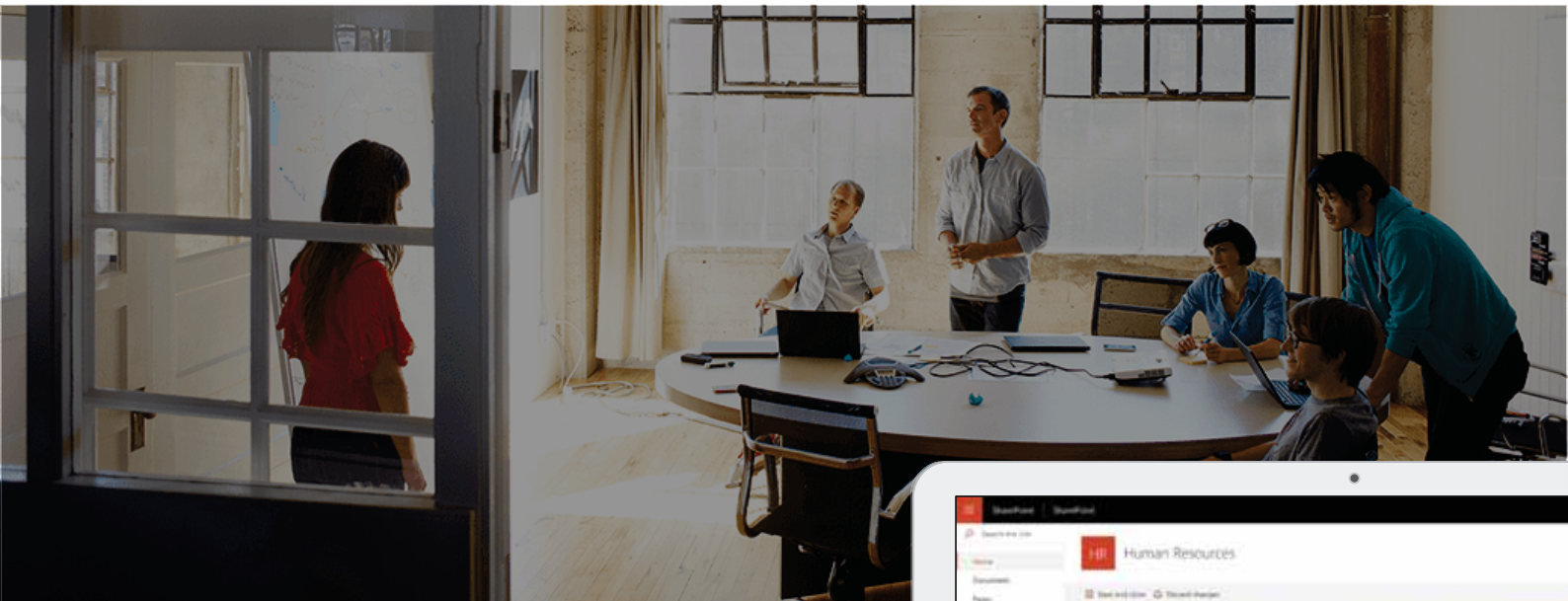
Empower people to create
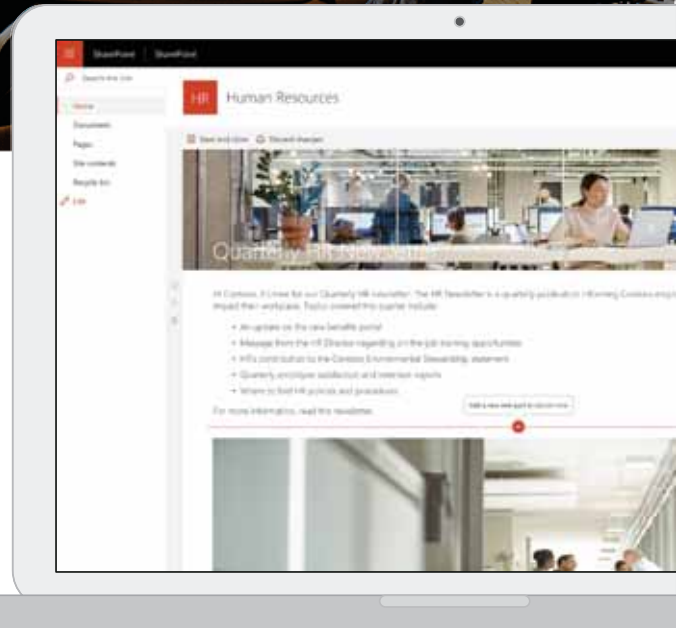
Modern pages

Modern site pages in SharePoint Server 2019 are a great way to share ideas. Using images, Excel spreadsheets, Word documents, PowerPoint slides, video, and more, you can create and publish modern pages quickly and easily. Plus, these pages look great on any device.

Modern pages are built with web parts, which you can customize according to your needs, adding documents, videos, images, site activities, Yammer feeds, and more. Just select the + (plus) sign and pick a web part from the toolbox to add content to your page.

Rich capabilities, such as the new Highlighted Content web part tool, lets you set criteria so that specific content automatically and dynamically populates in that area of the page, keeping people in touch with information. In addition, when using the SharePoint Framework, developers can build custom web parts that show up right in the toolbox.

Share with simplicity

Straightforward sharing

Whether sharing sites, documents, or news, SharePoint Server 2019 provides an intuitive, simple, and consistent sharing experience that's more natural for users—regardless of where and what you choose to share.

On every page of the site, there's a Share button in the top right corner. Just click on it, type in names of people you want to share with, and hit enter. That's all you have to do. Yet while it really is that straightforward to use, SharePoint uses powerful concepts like permission levels, groups, and inheritance to provide this experience. However, you don't have to understand those concepts anymore to accomplish everyday tasks like sharing information.

Durable links

Improved links ensure that when files are moved or renamed, the original link to the file continues to function.
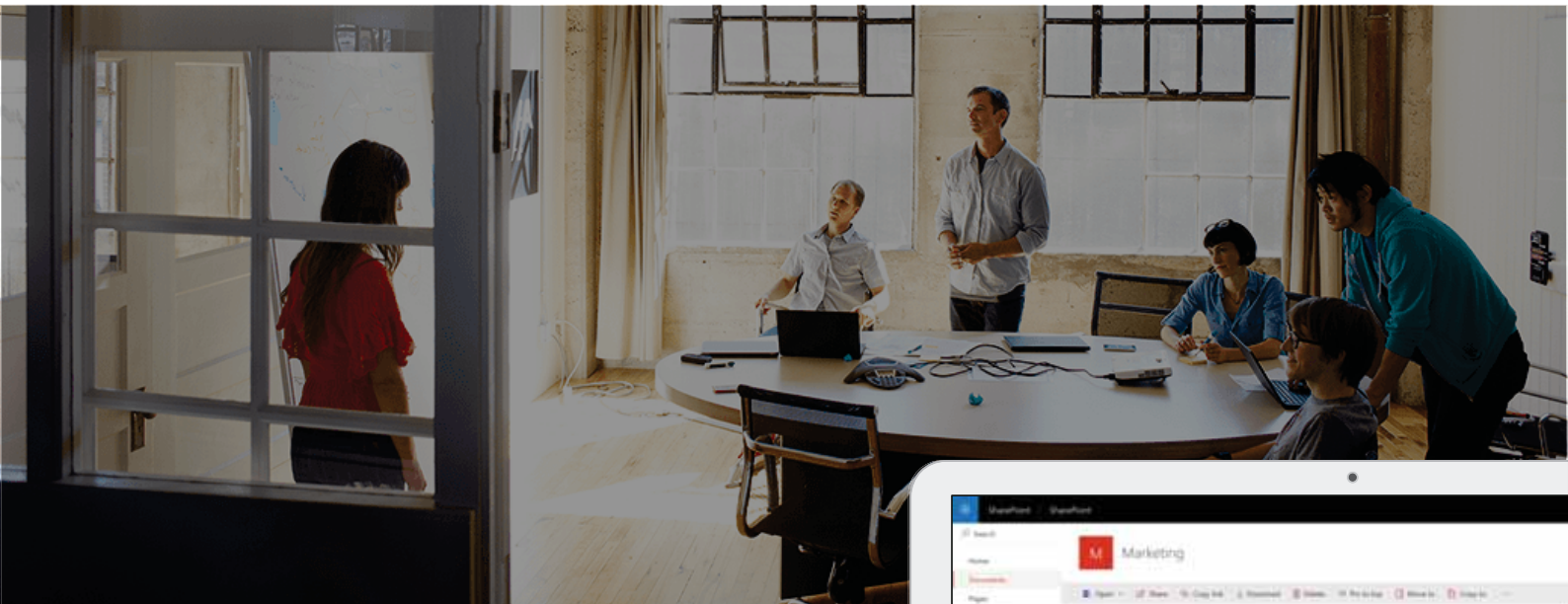
Manage documents and information with ease
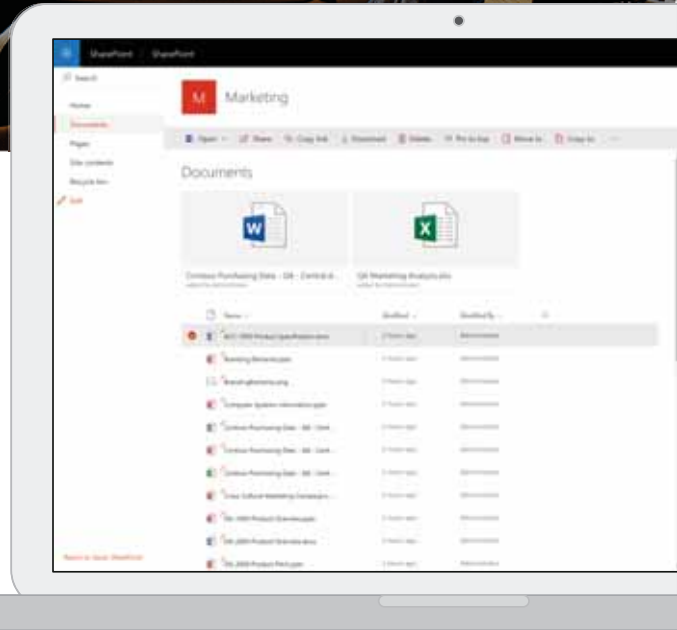
Modern lists

SharePoint lists provide individuals and teams the ability to access, share, and collaborate around structured data and support business processes by bringing information from other systems into SharePoint. With a rich set of capabilities that work across devices and browsers, SharePoint Server 2019 introduces a modern list experience that simplifies how people create, curate, and interact with information.

Modern libraries

Helping people share files and collaborate on content has always been central to SharePoint. SharePoint Server 2019 provides an experience that's faster, more intuitive, and more responsive with modern document libraries.

Modern document libraries combine the power of SharePoint with OneDrive usability. Since modern document libraries have an updated user interface similar to OneDrive, it's more intuitive to create a new folder and upload files in the browser. The ribbon has been replaced with a trim command bar, which provides intelligent commands relevant to the tasks at hand.

Get work done, anywhere, on any device

SharePoint Server 2019 is designed to let you get work done, regardless of what device you choose to use or where you may be.

SharePoint Server 2019 allows you to bring your sites and content with you through support for a new OneDrive sync client and the SharePoint mobile app. Whether you just need to take documents on the go or want to keep up with your colleagues and teams, these apps will ensure you never miss a beat. In addition, whether you use SharePoint Server 2019 by itself or have it connected to Office 365 with hybrid scenarios, the same apps will let you to connect to both environments.

SharePoint mobile app

The intranet is the nerve center of many organizations. It provides content-centric collaborative spaces that give teams the resources they need to work together.

Users rely on the intranet to consume and contribute news and information within their teams and across the organization. The intranet manages knowledge and connects users to content through navigation and search, while hosting applications that support and automate business processes.

SharePoint Server 2019 improves the mobility of your access. Using the SharePoint mobile app with SharePoint Server 2019 lets you take your intranet with you to stay connected and informed while you're on the go—for those in-between moments when you need to quickly and easily fit in some work. Plus, your intranet is more intelligent and personalized based on your activities across sites, the people you work with, the content you work on and the business processes you drive.
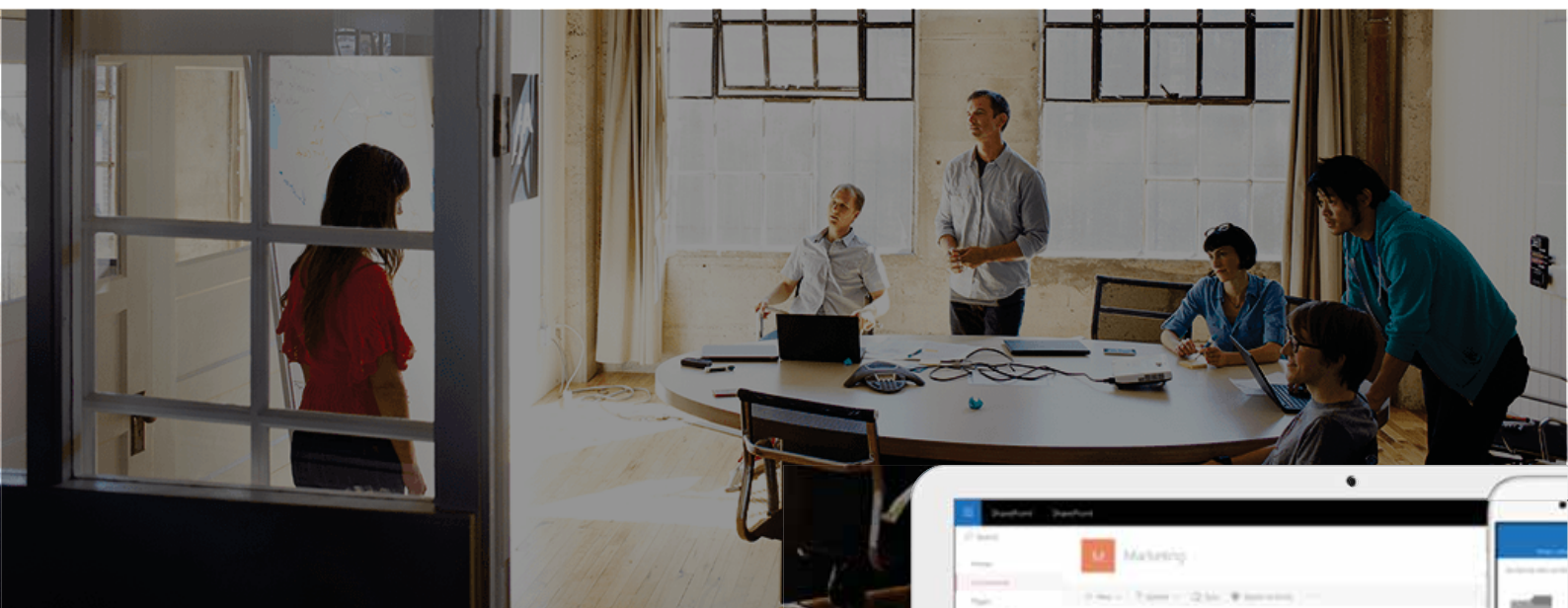
OneDrive

Making decisions faster and keeping in contact are critical capabilities for increasing effectiveness in any organization. The key factor for the success of either is the ability to access information while on the go, which is now a workplace necessity.

SharePoint Server 2019 provides improved mobile access to content, people, and applications along with engaging and responsive experiences across devices and screen sizes. It makes file storage and document collaboration more people-centric with new support for the latest generation of sync clients through OneDrive for Business.
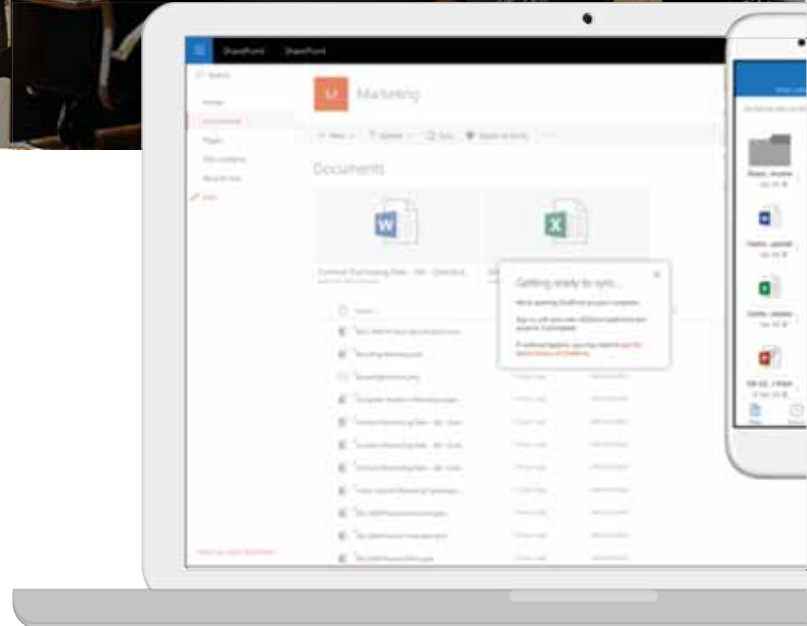
Inform and engage

Communicate, your way

Team news

With team news on SharePoint Server 2019, you can keep up with and broadcast key events and accomplishments with other members of your team and extended stakeholders. Team news is a simple way to communicate things like trip reports, best practices, project updates, highlights of new documents and content, welcoming a new team member, sharing team goals, and celebrating milestones.

You can easily and quickly create beautiful posts, showcasing them on your modern team's home page.
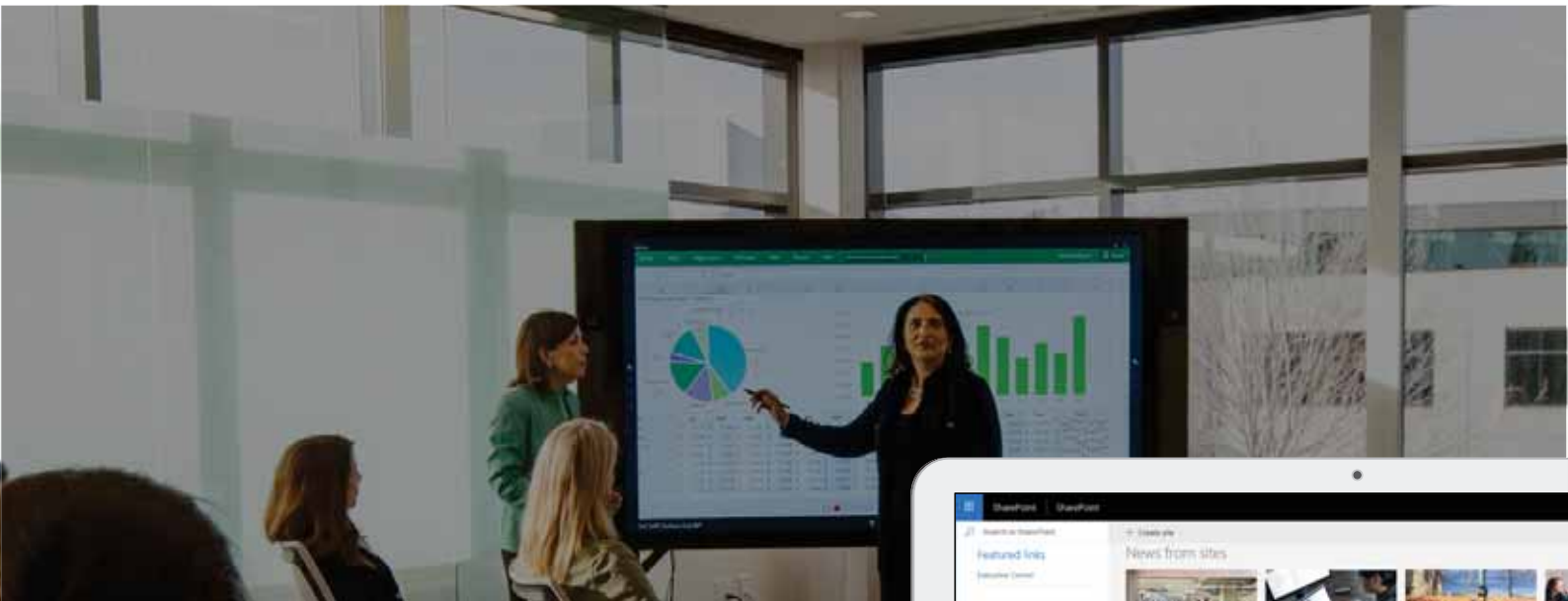
Stay in
the know

SharePoint Home

The new SharePoint Home page in SharePoint Server 2019 provides unified access to all your sites—online and on-premises. SharePoint Home lets you navigate seamlessly through your intranet and catch up with activity across your sites with just a glance and with new Fast Site Creation capabilities you can create new sites in seconds right from the new SharePoint Home.
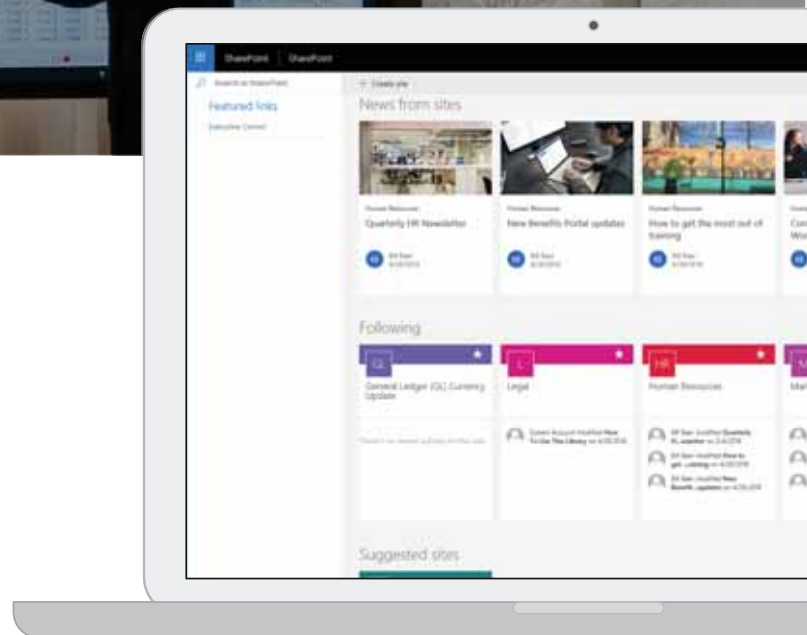
Expand the boundaries of communications
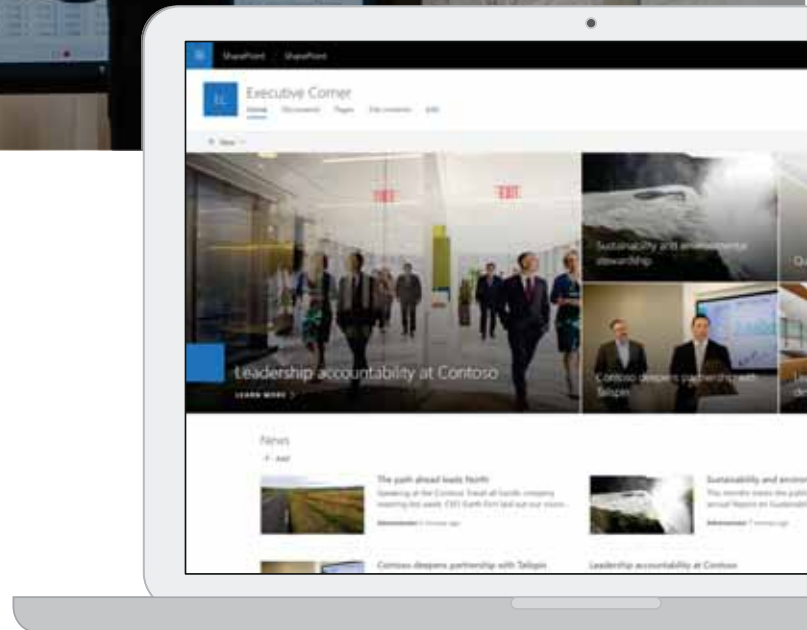
Communication sites

SharePoint has always been at the core of collaboration—people working together on files, lists, and libraries. SharePoint Server 2019 embraces and provides a new generation of the mobile and intelligent intranet, allowing you to communicate with people throughout your organization through dynamic, mobile-ready communication sites and pages. With pages that are straightforward to use and visually compelling, it's easier than ever to keep everyone informed and engaged.

You can move seamlessly from collaborating on the details of a project or campaign in team sites to creating broad-reach communication sites. Like SharePoint team sites, new communication sites are created in seconds by clicking Create site on SharePoint Home in SharePoint Server 2019. From there, it's simple to adjust page layouts and add web parts. Plus, you can pull in valuable data and content from other services, like conversations from Yammer and videos from Microsoft Stream. The result? Vibrant, interactive experiences for your site visitors.

You're just a click away from what you are looking for
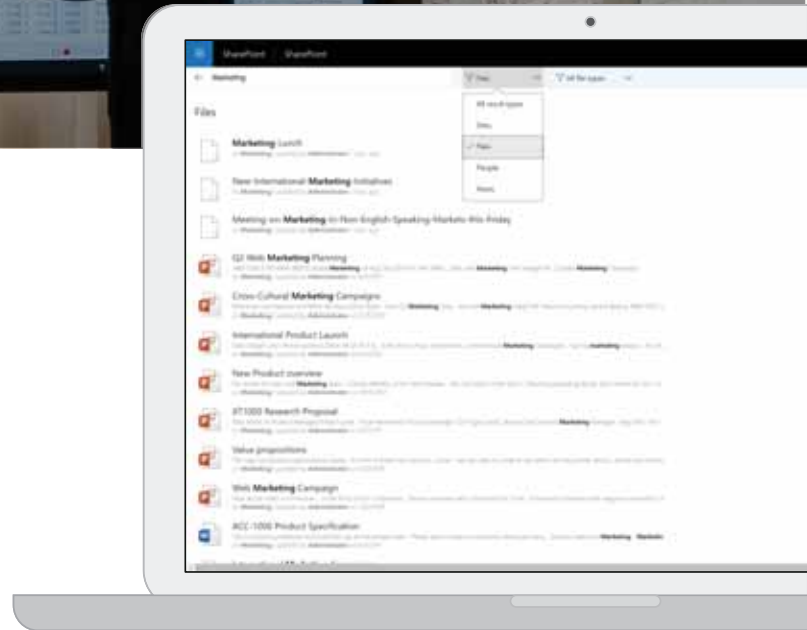
Search improvements

SharePoint Server 2019 provides powerful search capabilities and intelligent ways to discover information, expertise, and insights to inform decisions and guide action. The rich content management in SharePoint, along with valuable connections and conversations, enable your organization to maximize the velocity of knowledge. In SharePoint Server 2019, you can take advantage of a modern search experience with type-ahead contextual results in search box, modern search result pages for SharePoint Home and site search, and more.
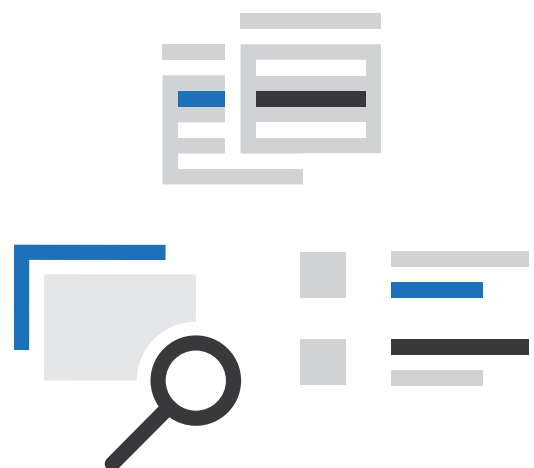
Transform business processes

SharePoint Server 2019 revitalizes libraries and lists, enabling immediate productivity with an intuitive user experience and provides rich metadata, content management and functionality that can support sophisticated business processes.

SharePoint Server 2019 also introduces a new page authoring and publishing experience that allows you to create beautiful, feature-rich pages that are responsive, mobile, and easy to share with your team and organization.

Work less, do more

Microsoft Flow

Create automated workflows between your favorite apps and services to get notifications, synchronize files, collect data, and more with Microsoft Flow.

Apps that mean business

PowerApps

Easily build the business apps you need and extend or customize the apps you already use with PowerApps.

Project Server 2019

Project Server 2019 integration puts project and portfolio management closer to the content it depends on. SharePoint Server 2019 integrates Project Server 2019 (licensed separately), organizing your projects and tasks so you can track deliverables across SharePoint, Microsoft Outlook, and Microsoft Project while reducing the datacenter footprint.

Trusted platform

Find the perfect balance between compliance and collaboration

Complying with regulatory standards and protecting business critical and personal data from leakage continue to be a priority for organizations and corporate IT. A key requirement for compliance and data protection is the ability to:

- Control who has access to information

- Report on who accessed specific information

By offering simplified configuration and administration for regulatory policies, SharePoint Server 2019 carries forward the compliance investments in SharePoint Server 2016 to help provide enhanced data security and compliance. SharePoint Server 2019 puts IT professionals in a better position to control access to company- and customer-sensitive data by making authorization and audit management more central, flexible, and natural.

Securing information is critical to protecting your organization's competitive advantage. SharePoint Server 2019 provides a rich security model that both simplifies how information

is shared and helps to ensure its security and compliance with corporate policies. SharePoint Server 2019 was designed and built with a holistic approach to security design, employing strict standards and a multilayered, defense-in-depth approach to help protect against malware, data leakage, and other threats. This approach begins with the industry-leading Microsoft Security Development Lifecycle (SDL), a security-assurance methodology used by all Microsoft engineering teams that includes extensive threat modeling, penetration testing, and security-focused development practices, all of which help prevent unauthorized access to content and data loss prevention.

Sensitive information types

In SharePoint Server 2019, data loss prevention (DLP) is built into enterprise search. It allows you to search for sensitive content in your existing eDiscovery Center, keeping content in place and enabling you to find information in real time. SharePoint Server 2019 provides a wide range of sensitive information types from different industry segments and geographies—such as credit card numbers, Social Security numbers (SSNs), bank account numbers, and other types—many of which you may already use to search for sensitive content in email. These sensitive information types are detected based on pattern matching and are easy to set up.

Policy templates

You can use DLP policy templates to get started with your DLP solution in SharePoint Server 2019. A DLP policy template is a model for a policy. You can select a template to begin the process of building your own customized DLP policy. Within your DLP policy, you can customize the rules to ensure that it meets your business needs for data loss prevention.

IT pros

As an IT pro, ever-changing business conditions require you to be agile, which means investing in solutions that provide reliability and choice. With SharePoint Server 2019, you have the flexibility to tailor deployments based on your unique business needs.

SharePoint Server 2019 allows you to maximize the value of your existing infrastructure while enabling you to take advantage of the latest hardware innovations and computing technologies. This means your infrastructure is capable of handling enormous amounts of data faster, more efficiently, and at a lower cost.

Windows Server 2019

At the heart of the Microsoft Cloud Platform vision, Windows Server 2019 brings the Microsoft experience for delivering global-scale cloud services into your infrastructure. Windows Server 2019 provides new features and enhancements in virtualization, management, storage, networking, virtual desktop infrastructure, access and information protection, web and application platform, and more.

SQL Server 2017

SQL Server 2017 delivers breakthrough missioncritical capabilities with built-in operational analytics and in-memory performance and world class high availability and disaster recovery solution adds new enhancements to Always On technology.

With new capabilities that go beyond business intelligence, you can gain deeper insights from your data, perform advanced analytics directly within your database, and present rich visualizations for business insights on any device.

In addition, SQL Server 2017 delivers a complete database platform for hybrid cloud, enabling you to build, deploy, and manage solutions that span on-premises and cloud.

Open for all files

File names and lengths

Files are as unique as the people who create them. SharePoint Server 2019 delivers support for a broad array of types and naming conventions, including support for # and % as supported characters in file and folder names across document libraries in SharePoint and OneDrive for Business. This allows you to create, store, and sync files containing # and % characters whether those characters are used as a prefix or suffix to the file or folder name.

In addition, SharePoint Server 2019 increases the URL path length restrictions from 260 Unicode code units to 400.

File scale and performance

Large file support. The world of collaboration has changed. Text-based files are shifting to modern media: videos, audio, and more. SharePoint Server 2019 provides support for uploading files up to 15 GB.

File performance. As file sizes continue to grow at an exponential rate, SharePoint Server 2019 implements the latest in transfer technologies to drive increased upload and download performance while maximizing use of unclaimed bandwidth.

Secure your communications

SMTP server authentication

New support for SMTP server authentication in SharePoint Server 2019 helps ensure your communications are secured and protected, removing the need for anonymous relays as with previous versions of SharePoint.

Recover what matters most

Recycle bin improvements

Data is one of your most valuable assets and data loss is non-negotiable. With SharePoint Server 2019 recycle bin improvements, you can easily recover your information whether it was accidentally deleted by you or even someone else.

MinRole v2 architecture built-in

One of the more difficult challenges beyond deploying software is managing the IT infrastructure to support it. In many cases, IT investment directly impacts the bottom line. SharePoint Server 2019 has been designed to reduce the emphasis on IT and streamline administrative tasks. This means IT professionals can concentrate on core competencies and mitigate costs, even against a backdrop of time pressures and limited technical skills. Tasks that may have taken hours to complete in the past become simple, efficient, and effective processes, allowing IT to focus less on day-to-day management and more on innovation.

Improved provisioning capabilities help IT departments and hosting service providers maximize existing infrastructure investments while exploring new services, improved management, and higher availability through an improved role-based installation architecture.

Zero downtime patching

Stay up to date with the latest software updates without compromising service level agreements. SharePoint Server 2019 allows administrators to deploy updates and fixes while minimizing downtime and user disruption.

Enrich your experience with hybrid solutions

SharePoint Server 2019 is the cloud-accelerated server, providing anywhere access to critical applications to help you enhance work productivity, boost communication, and increase customer touch. This experience allows you to improve your regular business rhythm and respond to market changes and

opportunities. With SharePoint Server 2019, you can take advantage of the latest Office 365 innovation with new cloud-accelerated experiences designed to bring the cloud to your business using new, native hybrid integration configuration capabilities.

OneDrive for Business

Get up and running fast with OneDrive for Business in Office 365 and provide your users with a seamless data mobility experience that works with SharePoint Server 2019. With this feature, users can quickly access their documents and any information that they choose to sync from their SharePoint sites, no matter where they are. This best-of-both-worlds approach lets you keep your key business information in your own environment while giving users the flexibility to access their documents remotely.

Cloud Search Service

The Cloud Search Service allows you to extend your search index to Office 365 and use the power of Office Graph and Office Delve. You can enable personalized discovery of information for your content stored in SharePoint Server 2019.

Team sites

Extend team sites to Office 365 with connected experiences that bring people, documents, and sites together across on-premises and the cloud.

Extranet

For many businesses, the web has become a key means of communicating with existing customers and attracting new business, overtaking more traditional, costly channels such as dedicated extranets. With Office 365 extranet scenarios, you can achieve cost savings and scale, resulting in immediate value for your business and customers.

Yammer

Team collaboration often focuses on documents. So, the easier it is to communicate about those documents, the easier it is to move projects forward. Having two-way conversations about documents in real time, within the documents themselves, can not only enhance communication, it can also improve employee engagement and spark innovation. Such productive conversations about team documents are now possible in SharePoint Server 2019.

For any document that's stored in SharePoint Server 2019 libraries or OneDrive for Business, you can start a Yammer conversation by just clicking Post, the new command that's available in document library callouts and search results for Office documents. By using Post to communicate with your peers about a document, you can improve the discoverability of deliverables.

Extensible App Launcher

A familiar feature in Office, the App Launcher has been extended to SharePoint Server 2019. The App Launcher provides a common location to discover new apps and navigate SharePoint on-premises and through Office 365.

The extensible hybrid app launcher is designed to help you access your Office 365 apps and services from SharePoint Server 2019. The App Launcher is enabled through hybrid team sites and/or OneDrive for Business. With the new App Launcher, you'll see the Office 365 Delve and Video apps along with your custom Office 365 tiles, in the SharePoint Server 2019 App Launcher.

Profile redirection

Profile redirection is a component of the hybrid team sites feature. Profile redirection, in a hybrid team sites configuration, redirects cloud (hybrid) users to their profile in Office 365 powered by Office Delve, ensuring that your hybrid users have a single place for their profile information..

Taxonomy

SharePoint hybrid taxonomy allows SharePoint administrators to create shared taxonomies (managed metadata) between their on-premises SharePoint Server and SharePoint Online. With SharePoint hybrid taxonomy, changes and updates to your SharePoint Online taxonomy are replicated in your SharePoint Online sites as well as your SharePoint Server 2019 sites.
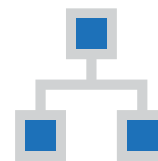
With hybrid content types, you can have a shared set of content types between SharePoint Server 2019 and SharePoint Online. These content types are mastered in SharePoint Online.

Developers

One of the greatest assets of SharePoint are the rich solutions it offers, which meet the evolving needs of developers in a mobile-first, cloud-first world.

As a developer, you have new scenarios to create contextual solutions that span SharePoint Server 2019 and Office 365 from the web, mobile apps, and Office. New, robust APIs and tool improvements make building solutions easier than ever before. And your solutions have the potential to reach a vast number of users across businesses, government organizations, and schools, who spend hours every day using Office on-premises or in the cloud with Office 365.

Do more with open standards and extensibility

SharePoint Framework

SharePoint Server 2019 provides native support for the SharePoint Framework, a page and part model that enables fully supported client-side development, easy integration with Microsoft Graph, and support for open-source tooling.

The SharePoint Framework delivers a new client-side rendering framework using open-source JavaScript technologies. The client-side development framework will allow you to use modern JavaScript and web templating frameworks across cloud and on-premises SharePoint.

The SharePoint Framework embraces the tools, frameworks, and open-source initiatives that developers rely on today, and it extends the scope of solutions that can be built on SharePoint, on-premises, and in the cloud.

Extensions

Using modern web developer tools and techniques, developers have increased ability to build responsive, fluid web parts, expanding the audience and opportunities for all developers to tailor their SharePoint sites.

SharePoint Framework Extensions add new capabilities to extend the user experience of SharePoint within modern pages and document libraries. These capabilities expand upon the familiar tools and libraries for client-side development coming from the SharePoint Framework.

Through support for SharePoint Framework Extensions in SharePoint Server 2019, it's now possible to further tailor your SharePoint sites to provide enhanced status and notification updates within banners, or perhaps display extended metadata relevant to a site. For items within a list, you can adjust both the presentation and add new options for users to work with list items.

Conclusion

Welcome to SharePoint Server 2019.

Reimagined to focus on you, SharePoint Server 2019 has a new, modern design that works perfectly across screens—whether you're working with tablets and phones, laptops, or desktops. It's beautiful and fast, familiar, and intuitive. SharePoint Server 2019 gives you instant access to the people, content, and apps you work with the most. You'll spend less time searching for information and more time working with it.

SharePoint Server 2019 helps ensure that you have access to the information they need, regardless of the screen you choose to access it on. It's a comprehensive solution for connected information, enabling people to transform the way they work while preserving the advantages of structured processes, compliance, and existing IT investments.

SharePoint Server 2019 has been optimized for the way people work, providing them with a familiar, consistent view of information, collaboration, and process. At the same time, IT benefits from a comprehensive, easily managed, and integrated platform that meets the needs of your business.

With SharePoint Server 2019 providing the foundation for a commitment to optimizing the way people work, you can more fully mobilize the talent of users and systems in your organization to drive high value relationships, rapid innovation, and operational excellence.

For more information, go to sharepoint.microsoft.com.

Resources

Learn more about the mobile, intelligent intranet at: https://go.microsoft.com/fwlink/?linkid=2003709

Learn more about what's new in SharePoint Server 2019 at: https://go.microsoft.com/fwlink/?linkid=2005837