



SharePoint

Use our Microsoft SharePoint Consulting Services to build High-Value Business Solutions

SharePoint Consulting Services

Cognitive Convergence

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Increase Business Productivity and Visibility with SharePoint – a complete solution comprising:

- ✓ Content Management System
- ✓ Documents Management System
- ✓ Collaboration Platform
- ✓ Knowledge Management System

SharePoint - STATISTICS

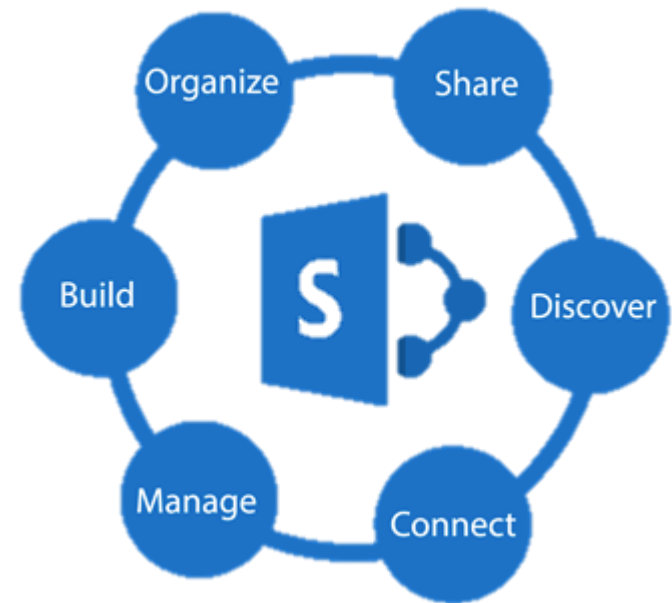
33% increase was witnessed in cloud-based operations in 2020 compared to 2019.



SHAREPOINT SERVICES BY Cognitive Convergence

We make your SharePoint Work more efficient For You. Our team of SharePoint expert developers will provide you consultancy to meet your unique business goals.

- ✓ Custom Development based SharePoint
- ✓ Intranet Solutions and Document Management Solutions
- ✓ Automate process to reduce manual tasking
- ✓ Custom Content Management & Collaboration Solutions
- ✓ Project/Portfolio - Management Services based SharePoint
- ✓ Performance KPIs Dashboards
- ✓ Financial Services based Model Dashboards
- ✓ Operational Efficiency Dashboard
- ✓ Assessment & Planning Workshop
- ✓ Deployment, Migration and Integration Services
- ✓ Migrating from SharePoint 201x to SharePoint Online
- ✓ Utilize SharePoint Online hub sites in Office 365



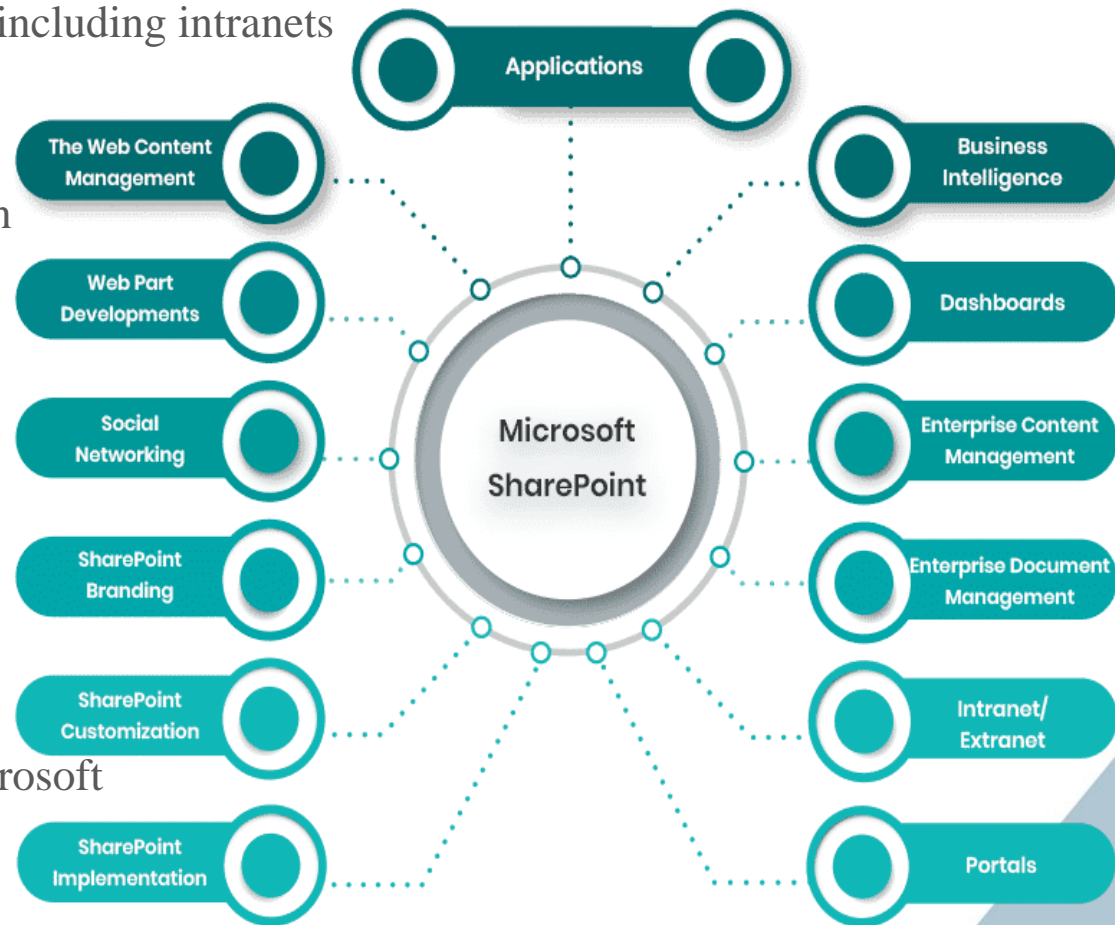
Current Location: Lahore, Pakistan

Planned Front-end Office: California/Washington States- USA

CONSULTANCY SERVICES Offered

Create sites and add and configure apps to make sites relevant to specific business requirements using SharePoint.

- ✓ SharePoint collaboration solutions including intranets and extranets
- ✓ B2B portals / Team sites
- ✓ Secure and searchable collaboration
- ✓ Reduction of email noise
- ✓ Increase employee retention
- ✓ Reduce effort in producing reports
- ✓ SharePoint process automation through Forms and Workflows
- ✓ Custom SharePoint Forms and Workflows
- ✓ Automatic alerts and reminders
- ✓ Interactive visualizations from Microsoft Power BI
- ✓ Increased management oversight into team performance
- ✓ Quick access to desired information on any device

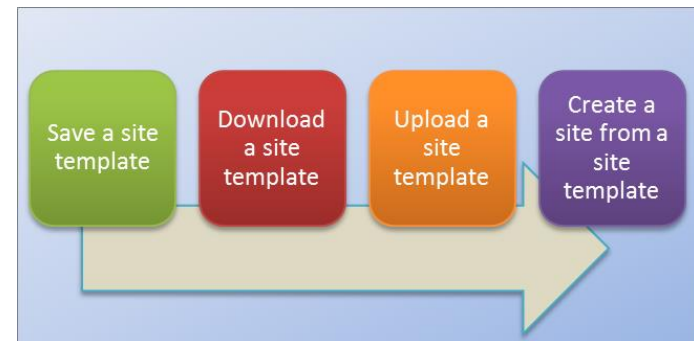


Our Custom services - SharePoint Site templates

SharePoint Online sites are powerful too that comes with a wide range of pre-built site templates. A user can use any and customize them as per their special need.

Different types of SharePoint site template

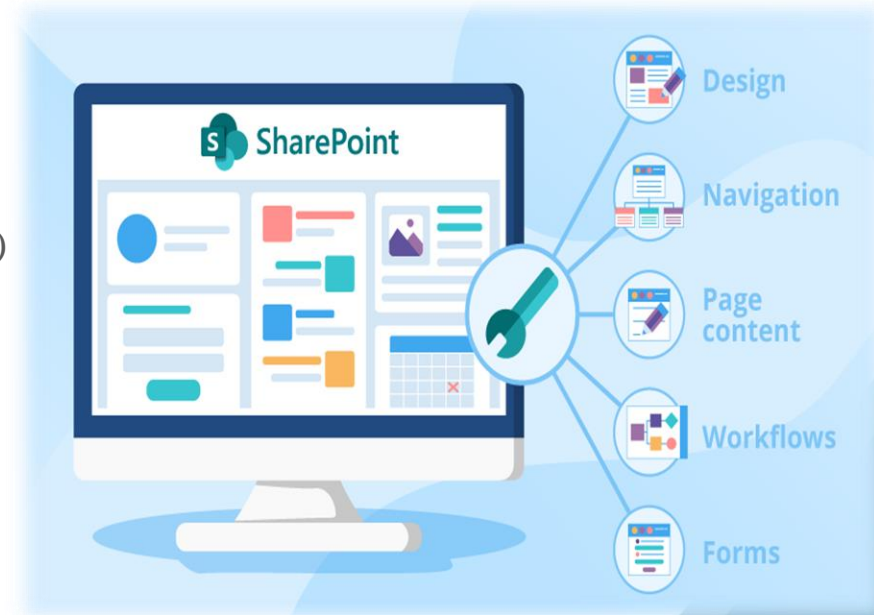
- ✓ **Team Sites** – allows teams to stay connected on daily basis for the content, information, and applications they use.
 - ✓ **1 - Modern Team Site**
 - ✓ **2 - Classic Team Site**
- ✓ **Blog Site** – To share information within a company quickly
- ✓ **Project Site** – Effectively manage projects
- ✓ **Community Site** – Act as discussion boards so user can discuss different assorted topics
- ✓ **Document Center Site** – To manage huge number of documents.
- ✓ **Records Center Site** – To manage different record types.
- ✓ **Business Intelligence (BI) Center Site** - allows companies store and manage dashboards, business reports, etc.
- ✓ **Search Center (Enterprise or Basic) Site** - To search sites and view results.
- ✓ **Publishing Site** - To build communication portals, enterprise intranets, and public websites in SharePoint Server
- ✓ **Publishing Site with Workflow** –Using approval workflows to publish pages on a schedule.
- ✓ **Enterprise Wiki** – For sharing or updating large amounts of information across company



USE CASES I

Following are some important use cases of SharePoint:

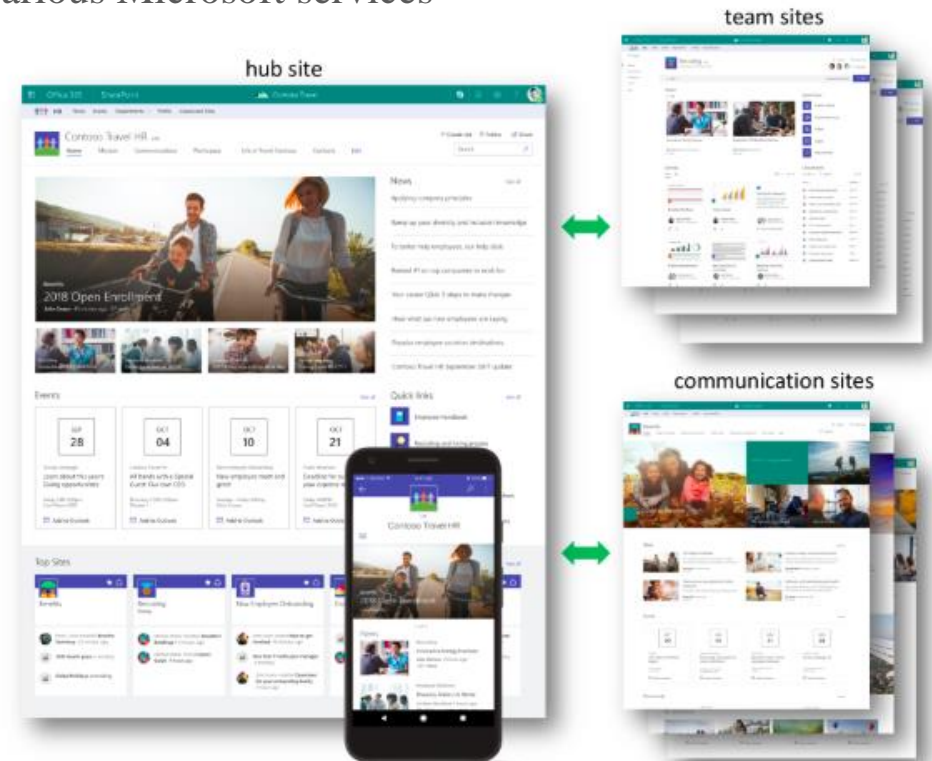
- ✓ Document Management Systems, Document Manipulation and Customization Systems
- ✓ HR Process Automation
- ✓ Enterprise Intranet and Extranet
- ✓ Creating Custom workflows
- ✓ Knowledge Management
- ✓ Powerful indexing and metadata functionality
- ✓ Assigning user access permissions based on business requirements.
- ✓ Improves collaboration within teams
- ✓ Ready-to-use add-ins and widgets
- ✓ Social features
(communities, awards, forums, media galleries, etc.)
- ✓ Third-party integration (CRM, ERP, etc)
- ✓ Scheduling and Approving Vacations
- ✓ Employee performance evaluation
- ✓ Employee hiring, onboarding and offboarding
- ✓ Business Intelligence solutions



USE CASES II

Some more use cases of SharePoint:

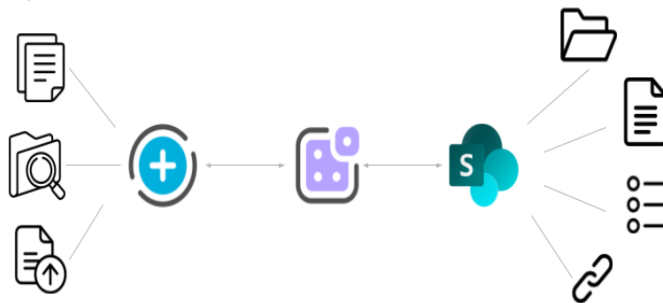
- ✓ Branded home page based on company identity
- ✓ Multifunctional web parts that integrate with various Microsoft services
- ✓ Built-in workflow management capabilities
- ✓ Project and task scheduling
- ✓ Versioning capabilities
- ✓ Sophisticated search features
- ✓ Flexible content sharing options
- ✓ Modern/classic team and communication sites
- ✓ Train the model to recognize fields in the documents.
- ✓ Social features
- ✓ Set up a flow to notify you for specific events
- ✓ Mobile access
- ✓ Automate order processing
- ✓ Issue/bug Tracker system
- ✓ Competitive Analysis Site



USE CASES III

Some more use cases of SharePoint:

- ✓ Department specific usage with custom development
- ✓ Classic SharePoint site for collaboration, content Management, enterprise site
- ✓ SharePoint software comes with several Collaboration for collaborative Document Sharing and team collaboration capabilities
- ✓ A file management tool in the cloud for teams to use SharePoint across the organization
- ✓ Document repository and content management system that can house a multitude of information from all departments in one location
- ✓ Automate various program teams workflows embedded within forms/templates that are created within SharePoint
- ✓ Use SharePoint sites as landing page to advertise services and points of contact
- ✓ Reduce the risk of outages and unauthorized access
- ✓ A special search engine to access company information

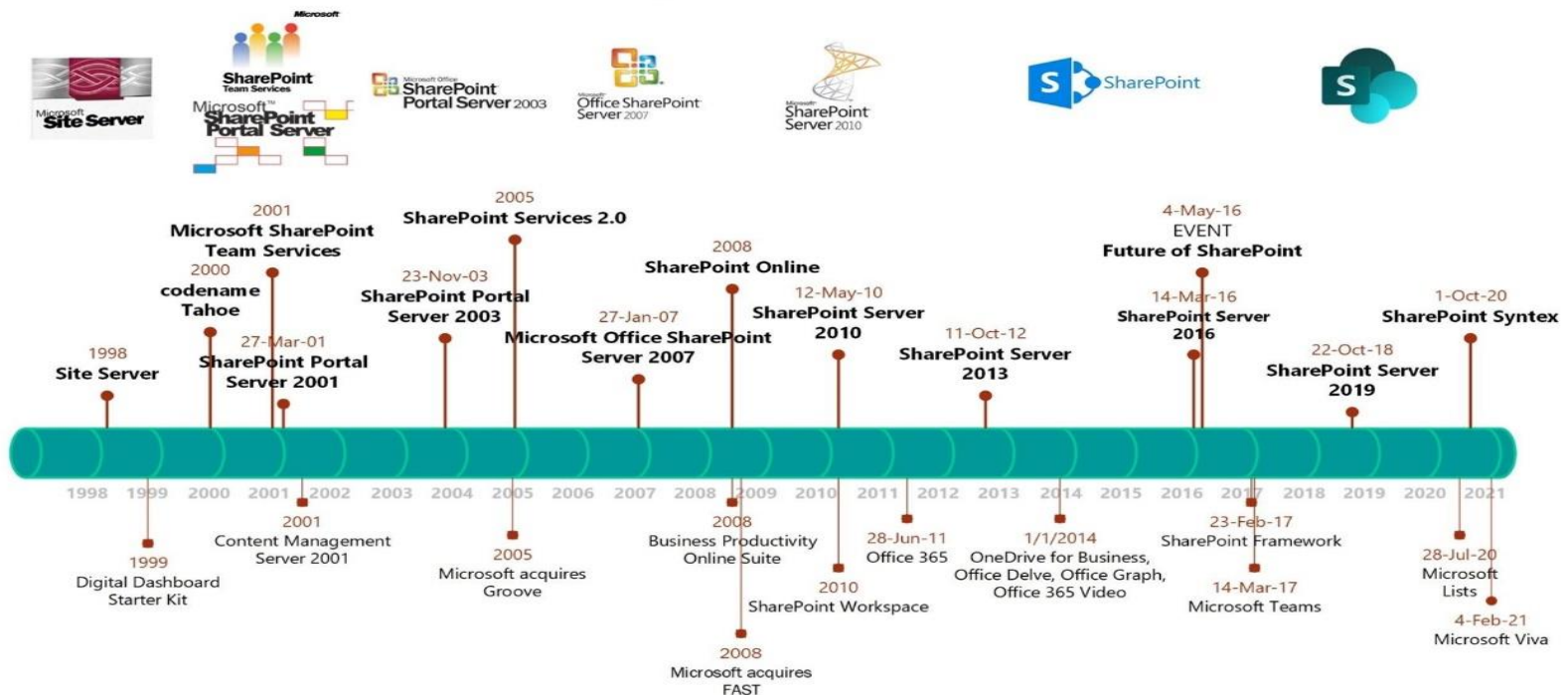


Our SharePoint Development Services

Over time, SharePoint has gone through different patterns of software development. Following are some of the latest SharePoint Development trends:

- ✓ Server Side Full Trust Solution
- ✓ Sandbox Solution
- ✓ Client Side Object Model
- ✓ Apps/Add-in Model
- ✓ SharePoint Framework, SPFx

The history of SharePoint



SharePoint CLIENT SIDE OBJECT MODEL

The Client Side Object Model enable us to access SharePoint Sites without using web services and build client applications that are hosted outside. There are three programming models used for the Client Side Object Model.

- ✓ .Net Client Side Object Model.
- ✓ JavaScript Object Model.
- ✓ Silverlight Object Model.

The client object model deconstructs the JSON and presents the results to the application.

- ✓ Create a ClientContext
- ✓ Use Load/LoadQuery to specify the required data
- ✓ Using ExecuteQuery/ExecuteQueryAsync get data
- ✓ Modify data as per need
- ✓ Using ExecuteQuery/ExecuteQueryAsync save the data

Object OM	Location	Names
Managed	ISAPI folder	Microsoft.SharePoint.Client.dll Microsoft.SharePoint.Client.Runtime.dll
Silverlight	Layouts\ClientBin	Microsoft.SharePoint.Client. Silverlight.dll Microsoft.SharePoint.Client. Silverlight.Runtime.dll
JavaScript	Layouts	SP.js

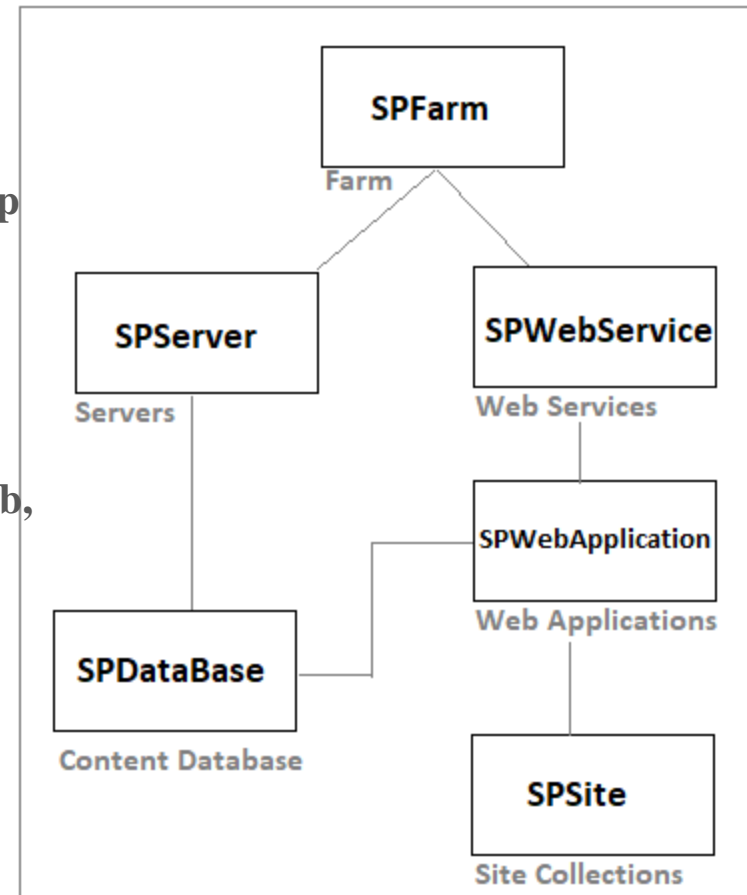
SharePoint SERVER SIDE OBJECT MODEL

SharePoint Server Object Model is used when the written code run inside the context of SharePoint. Server Object Model is used if the user is programming an **ASP.NET application** inside the same application pool used by SharePoint.

Features of Server Object Model

Some of the key features of Server Object Model are:

- ✓ Server Object Model is used if want to develop a client application such as **console, Windows forms, or WPF app** to run on a SharePoint server.
- ✓ Server Object Model relies on **Microsoft.SharePoint assembly** even though there are **other assemblies** as well which make up the Server Object Model.
- ✓ The core types are represented by the types **SPSite, SPWeb, SPList, SPDocumentLibrary, and SPListItem** to the components that you use as an end user things like **site collections, sites, list, libraries, and list items**
- ✓ **SPSite** represents the type and site in the **Server Object Model**
- ✓ **SPWeb** represents a SharePoint site in the **Server Object Model**



SharePoint REST API

The Share Point REST API is based on the Open Data Protocol or O Data implemented as a Data-centric web service.

To access SharePoint resources using REST, construct a RESTful HTTP request by using the OData standard, which corresponds to the desired client object model API

HTTP Methods

- ✓ GET
- ✓ Returns an item or array of items
- ✓ POST
- ✓ Creates a new item
- ✓ PUT
- ✓ Updates an item (replaces all fields with default values)
- ✓ PATCH or MERGE
- ✓ Updates an item in place (existing values are retained)
- ✓ DELETE
- ✓ Deletes an item



SHAREPOINT ADD-IN

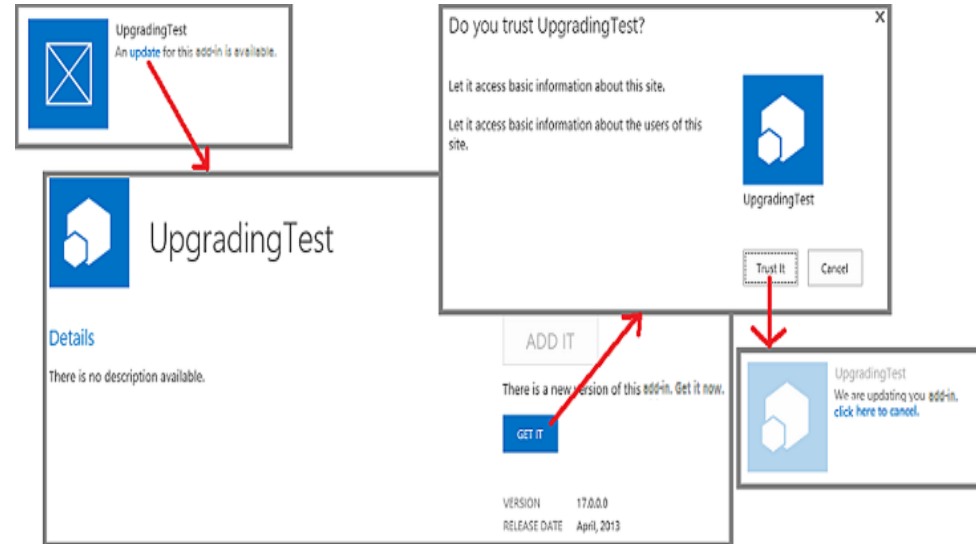
A SharePoint Add-in is a self-contained piece of functionality. It comes with the IFrame pattern implemented in a way that no custom-made code is run on SharePoint servers that cause no disturbance in SharePoint Server.

Two basic kinds of SharePoint Add-in

- ✓ SharePoint-hosted
- ✓ Provider-hosted

Our Add-in/App consulting services are as:

- ✓ Easily add new functionality as Add-in/App to the SharePoint System
- ✓ More apps available in the SharePoint App Store compared to sandboxed solutions
- ✓ Can get the apps through the app catalog and App Store
- ✓ Easiest installation of apps
- ✓ All apps are approved by Microsoft to meet coding, interface and integrity standards



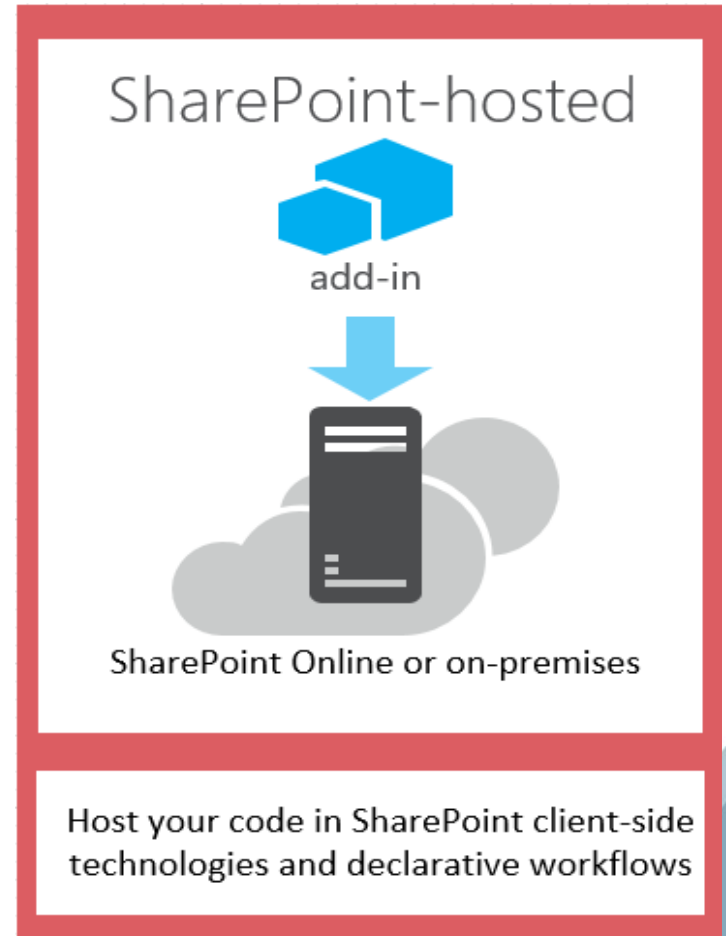
SharePoint-hosted	Provider-hosted
Centered around SharePoint components including lists, pages, Web Parts, workflows, libraries, and more.	Centered around a remote web application or data source.
Business logic is JavaScript on custom SharePoint pages.	Business logic is mainly remote server-side code.
No server-side code.	Can include SharePoint components.

SHAREPOINT HOSTED ADD-INS

SharePoint-hosted Add-ins are hosted inside the SharePoint site by having a collection of HTML, JavaScript, and CSS files in a way that there is no server-side code.

Our SHAREPOINT HOSTED ADD-INS service covers:

- ✓ Custom pages
- ✓ Workflows
- ✓ Modules (sets of files)
- ✓ List templates
- ✓ List and library instances
- ✓ Custom list forms and views
- ✓ Custom content types
- ✓ Web templates
- ✓ Built-in columns (not custom columns)
- ✓ Built-in web parts (not custom web parts)
- ✓ JavaScript files
- ✓ Custom buttons and menu items for the add-in web



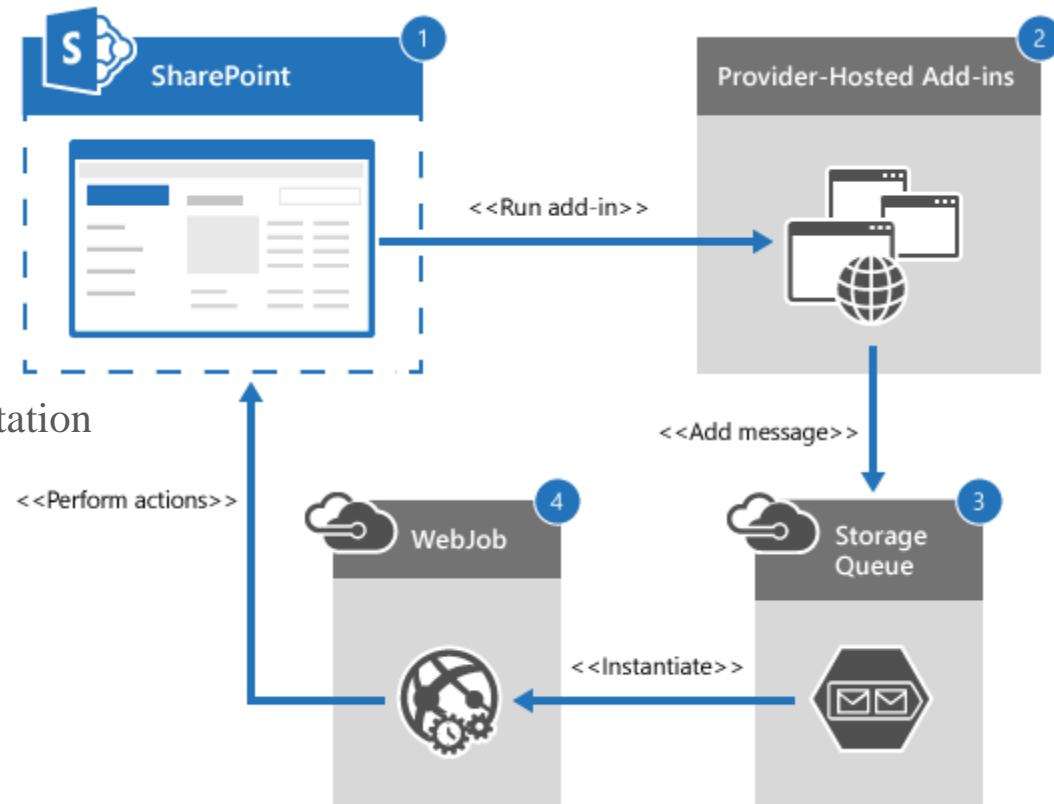
SHAREPOINT PROVIDER-HOSTED

Provider-hosted Add-in is where code is hosted outside the SharePoint. It works in such a way that all custom logic either moves up to the cloud or over to an on-premises server that is outside the SharePoint or Online SharePoint subscription.

Provider-hosted apps allow its users to run and access powerful processes/data externally from SharePoint.

Our core SharePoint Provider Hosted services are as:

- ✓ Custom SharePoint Apps/Add-ins development
- ✓ Custom branding with HTML/CSS designs
- ✓ Farm solutions - custom features and web parts
- ✓ SharePoint designer workflows and Nintex workflows
- ✓ Single Page Applications using AngularJS
- ✓ Responsive designs using Bootstrap
- ✓ Site definitions and templates
- ✓ Site structure and content design implementation



SPFx

SharePoint Framework-SPFx is client-side development that works in the context of the current user, with no iFrames rendered directly in the normal page DOM.

Cognitive Convergence is an expert in SharePoint and provides complete consulting services in SharePoint Framework (SPFx). Our development services help you realize SharePoint's full potential for both on-premises and online.

Our core SPFx services include:

- ✓ Develop a Custom Web Part
- ✓ Make a Mobile-Friendly Solution
- ✓ Brand SharePoint Site
- ✓ Interrogate the Microsoft Graph
- ✓ SharePoint Framework Extensions:
 - Application Customizer
- ✓ Future-Proof Your Classic SharePoint Sites



On-premises



SharePoint Framework



Office UI

Fabric



React

TypeScript

POWER PLATFORM WITH SHAREPOINT

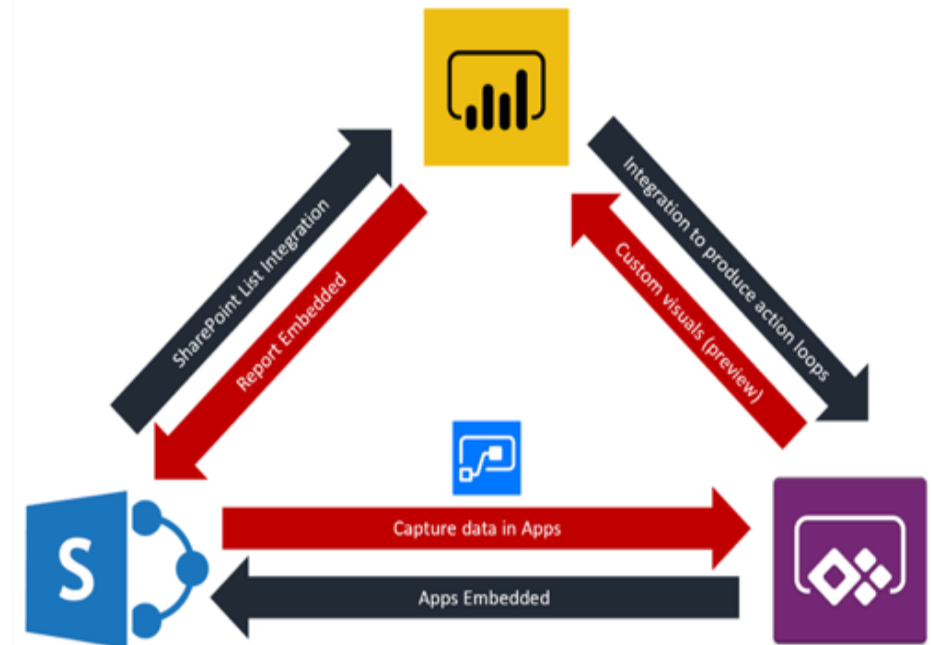
The Power Platform allows a Power user to create productivity applications and workflows in Office 365, Teams and more, quickly as compared to others.

Power Apps are designed to work and collaborate with a wide range of database sources as well as can easily be connected to any SharePoint list, library, or One Drive.

They enable their users to extract or store information without any databases and SQL knowledge.

Our POWER PLATFORM services - can help to:

- ✓ Boost productivity
- ✓ Use Robotic Process Automation (RPA)
- ✓ Tap into AI capabilities



POWER APP FOR SHAREPOINT

Many organizations are vitally utilizing SharePoint lists for various purposes such as to access, share, and collaborate around structured data. The integration of PowerApps within the SharePoint Online has modernize the experience for custom lists with the ability to create new apps in PowerApps using a web browser.

We offer our consulting services to Power Apps for SharePoint by:

- ✓ Creating new PowerApps from your SharePoint
- ✓ Creating Custom app as per special requirements
- ✓ Instantly publish apps for web, mobile, etc.
- ✓ SharePoint Integration
- ✓ Embed Apps
- ✓ Build Offline-Capable Apps
- ✓ Robust and Scalable apps

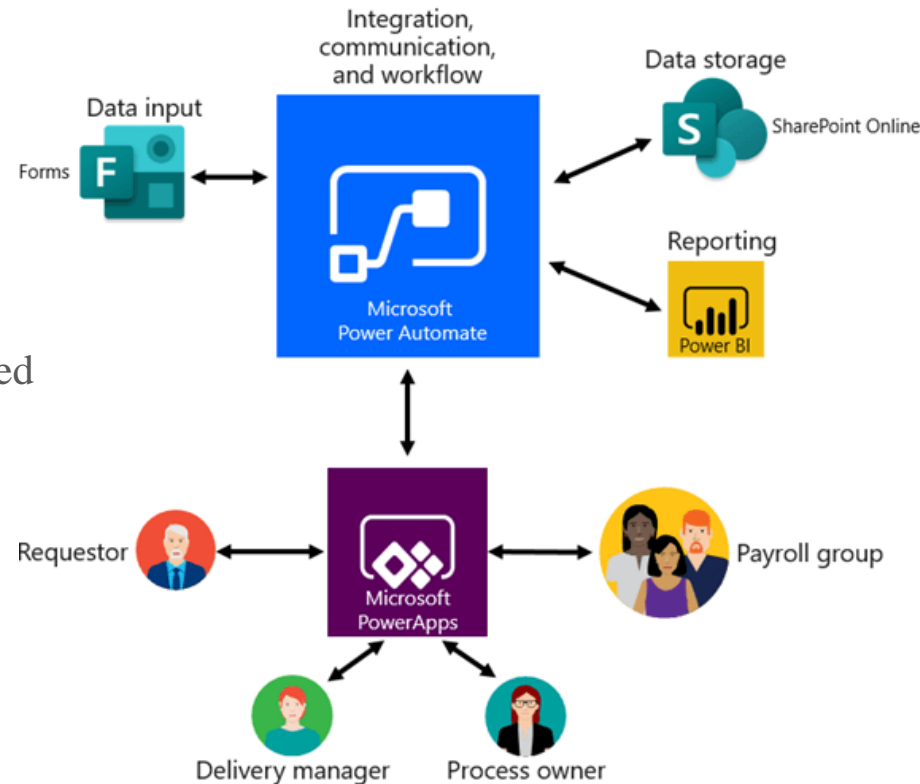
The screenshot displays a SharePoint Service Desk application. On the left is a navigation pane with options: Notebook, Documents, Site contents, Pages, Service Desk (selected), Recycle Bin, and Edit. The main content area features a purple header with 'Service Desk' and a plus icon. Below the header is a summary bar with five categories: 'All tickets' (11), 'New ticket' (1), 'In progress' (5), 'Closed' (2), and 'On hold' (3). The main area shows a list of tickets. The first ticket, 'Wi-fi isn't working', has details: Ticket ID: 1, Created by: Steven Smith, Priority: High, Created date: 04/18/2016. The second ticket, 'Not able to send email', has details: Ticket ID: 2, Created by: Katherine Jonas, Priority: Normal, Created date: 04/18/2016. A left sidebar lists filter options: All tickets, New tickets, Tickets in progress, Tickets on hold, Tickets closed, and Tickets older than 3 days.

POWER AUTOMATE FOR SHAREPOINT

Power Automate is a workflow automation solution offered by Microsoft that can be used to access applications and services data by making it easier to combine different services. Power Automate is deeply integrated with SharePoint by using pre-built templates and create own flows in a visual designer.

We offer our consulting services to Power Automate for SharePoint by:

- ✓ Manage approval flows
- ✓ Work with files and lists
- ✓ Migrate from workflows to Power Automate
- ✓ Manage list item and file permissions.
- ✓ Move files to different folders after they're approved
- ✓ Get items from lists or get files from libraries
- ✓ Create a flow for a list or library in SharePoint
- ✓ Edit a cloud flow
- ✓ Leverage SharePoint to help automate process

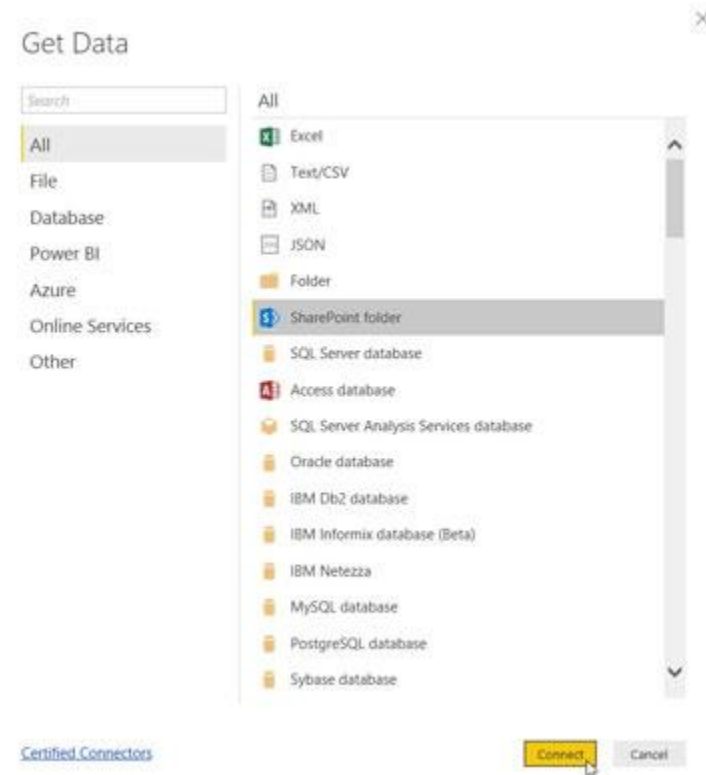


POWER BI FOR SHAREPOINT

Power Automate is a workflow automation solution offered by Microsoft that can be used to access applications and services data by making it easier to combine different services. Power Automate is deeply integrated with SharePoint by using pre-built templates and create own flows in a visual designer.

We offer our consulting services to Power BI for SharePoint by:

- ✓ Add the Power BI (preview) web part to your SharePoint Online page
- ✓ Manage Dashboards
- ✓ Create custom reports
- ✓ Embed reports
- ✓ Create a report on a SharePoint List in Power BI Desktop
- ✓ Manage access
- ✓ Integrate SharePoint with Power BI
- ✓ Create custom SharePoint List in Power BI

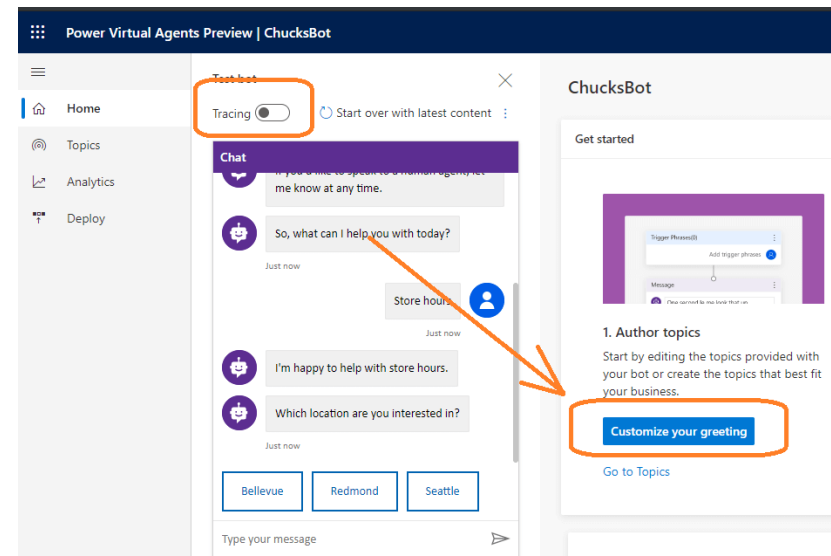
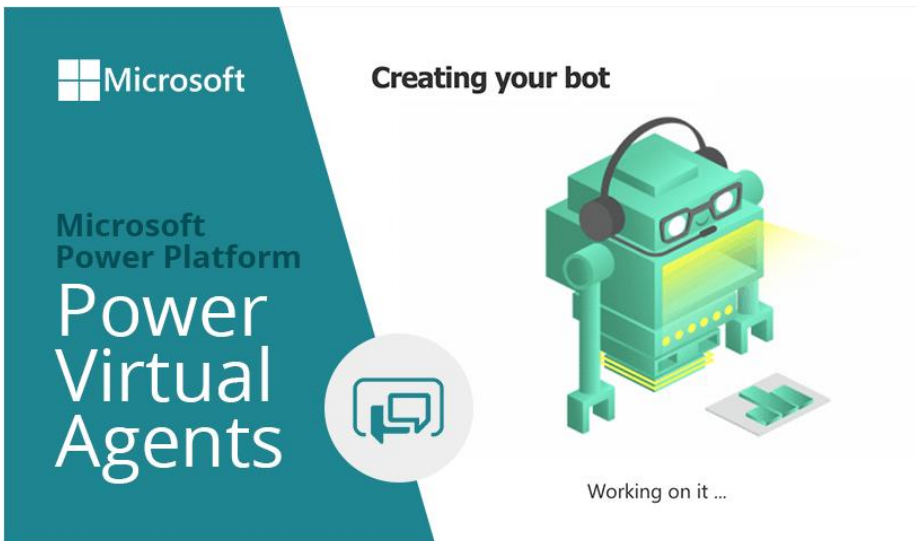


POWER VIRTUAL AGENT FOR SHAREPOINT

Virtual agents or chatbots have become an essential part of every business for customer support. A Power Virtual Agent integrated with a SharePoint list helps to automate business process for better performance.

We offer our consulting services to Power Virtual Agents for SharePoint by:

- ✓ Create bots
- ✓ Integrate chatbots
- ✓ Update or manage previously created bots
- ✓ Manage and support - Live changes whenever required



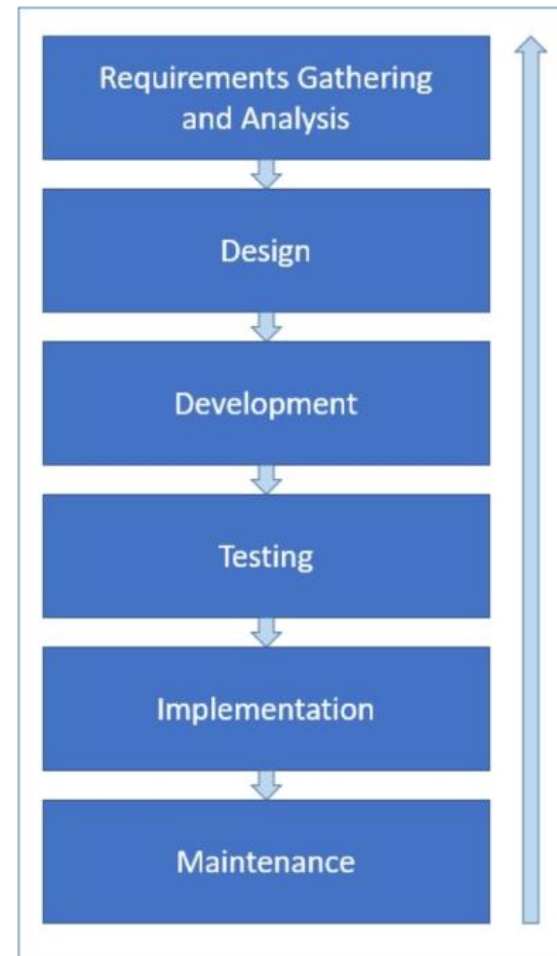
Our Approach-Software Development Life Cycle-SDLC

Our Software Development Life Cycle is a process used by Cognitive Convergence Team to design, develop, or test high quality software and code in SharePoint Consulting and Development Services.

- ✓ A framework with definite tasks to be performed at each step of the software development process.
- ✓ Work as a best practice for developing and implementing quality software and code-based solutions.

Stages of Our Development services:

- ✓ Requirements Gathering and Analysis,
- ✓ Development and planning of designs
- ✓ Implementation and Maintenance of developed designs



SharePoint Consulting services of Cognitive Convergence offers strategic opportunities to clients, investors, and partners that is

- ✓ Unique and industry defining
- ✓ Mutual interest centric business approach
- ✓ Significantly enhance company's footprint
- ✓ Turn grow revenues by entering new and exciting **Technology Domains, App development ideas, Solution Development, and Joint venture projects**
- ✓ 1st mover advantage with
 - ✓ Talent: 100%
 - ✓ Timing:100%
 - ✓ Technology: 100%
 - ✓ Technique: 100%



THANK YOU

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For questions or queries, contact us, we will be sure to get back to you as soon as possible.