Introducing MachPanel v.7

MACHPANEL®

MachPanel Automation Module for Microsoft SharePoint

Table of Contents

1. About This Document

This document focuses on one of MachPanel's product i.e. **MachPanel Automation Module for Microsoft SharePoint**. It deals with MachPanel Provisioning System along with Cloud/Enterprise hosting and highlights hosted SharePoint Server 2010, 2013 and 2016 service offered by **MachPanel Automation Module for Microsoft SharePoint**. You will be able to decide yourself why MachPanel's enterprise offerings have a competitive edge over others.

2. Fundamental Concepts

Let's begin with the basic tenant's overview that will assist you to move along in a better way. Fundamental concepts include:

- What is Cloud hosting?
- MachPanel Provisioning System
- Cloud Hosting through MachPanel (Enterprise Products)

2.1 What is Cloud Hosting?

Cloud hosting is "Computer based applications and services deployed on a hosted service and accessed over the internet rather than a packaged product to be purchased and installed by an end user."

2.2 MachPanel Provisioning System

MachPanel Provisioning System is an **ALL-IN-ONE** complete business automation solution for Windows. It includes everything a web hosting company needs to run its day-to-day business operations. It helps to run a profitable, extensible and successful web hosting business using latest tools and a cutting edge technology.

It caters the need of **Traditional** as well as **Enterprise hosting** supporting a wide range of features including **Billing, Management, Help Desk** automations and **Network Monitoring**. In addition to automation, it provides broad 3rd party integrations with popular platforms.

> **Note:** MachPanel offers highly useful tools to manage and provision the services.

2.3 Cloud Hosting through MachPanel

In addition to Traditional Hosting, Cloud hosting is a vital and powerful feature that MachPanel possesses. It allows various Enterprise solutions for a broad Cloud Hosting Services that include:

a. MachPanel Automation Module for Microsoft Exchange
b. MachPanel Automation Module for Microsoft Skype for Business
c. MachPanel Automation Module for Microsoft SharePoint
d. MachPanel Automation Module for Microsoft CRM
e. MachPanel Automation Module for Microsoft Hyper-V

f.   MachPanel Automation Module for Microsoft CSP
g.   MachPanel Automation Module for Windows Work Folders
h.   MachPanel Automation Module for Microsoft RDS

Over the years, there has been a gradual paradigm shift from shared web hosting to Cloud hosting.
MachPanel caters both.

Important: MachPanel Provisioning System is NOT only a traditional web hosting Control Panel but it deals with
a broad range of Cloud services along with Traditional Hosting services.

Note: MachPanel extends its functionality to provide an end to end centralized automation using various
extensions.

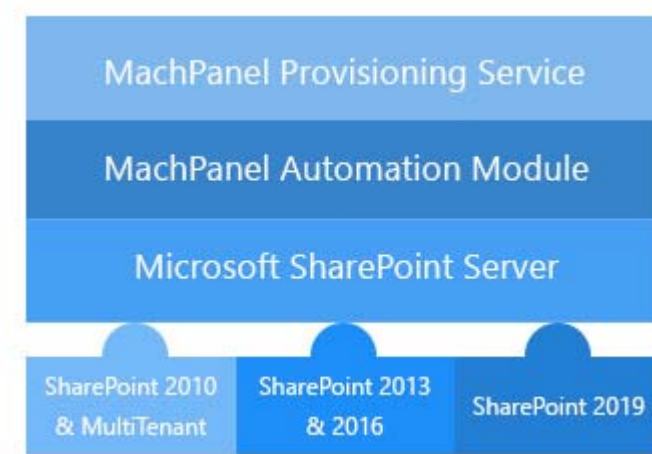# 3. What is MachPanel Automation Module for Microsoft SharePoint?

MachPanel implements all operational tenants of SharePoint, enabling your enterprise to improve its
productivity and work smarter. MachPanel Automation Module for Microsoft SharePoint adds billing,
provisioning and management of Microsoft SharePoint Server 2019 & legacy versions to your hosted services.
It allows your enterprise to perform better and in entirety, by covering each functional capability (e.g. site
creation/deletion, SharePoint portal/user management, SharePoint user listing, provisioning etc.).

4. Service Architecture

MachPanel Automation Module for Microsoft SharePoint support 2019 New! & legacy versions. Following
versions of Microsoft SharePoint which are currently supported:

1. Windows SharePoint Services 3.0 (free license)
2. Microsoft Office SharePoint Server 2007 (commercial extension)
3. Microsoft SharePoint Foundation 2010 (free)
4. Microsoft SharePoint Server 2010 (commercial extension for Foundation)
5. Microsoft SharePoint Enterprise 2010 (commercial extension for Server)
6. Microsoft SharePoint 2010 (Multi-Tenant)
7. Microsoft SharePoint Foundation 2013
8. Microsoft SharePoint Server 2013 (extension on top of Foundation)
9. Microsoft SharePoint 2016
10. Microsoft SharePoint 2019 New!

5. Detailed Features List

MachPanel Automation Module for Microsoft SharePoint offers a wide range of functionality. Following features are available to service providers who have purchased MachPanel Automation Module for Microsoft SharePoint.

5.1 Key Features

MachPanel Automation Module for Microsoft SharePoint provides versatile features such as:

1. Site creation/deletion
2. SharePoint Portal/User management
3. Allows both; sub domain and vanity URL
4. Service provisioning
5. User Sharing for Multiple Services
6. DNS and Host Header Handling
7. Multitenancy

The pictorial illustration of some important features of **MachPanel Automation Module for Microsoft SharePoint** is as below:
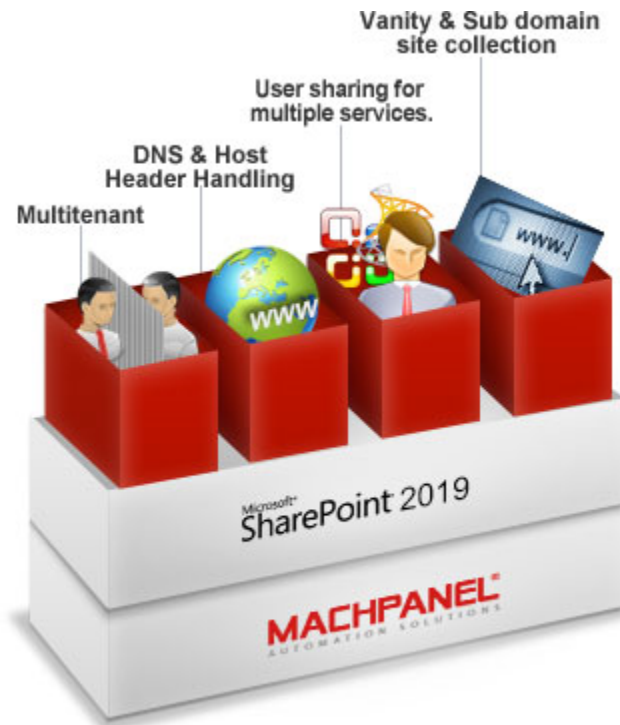
5.2 High Level Features

Below are the high level features of MachPanel Automation Module for Microsoft SharePoint:

A. MachPanel Features

- ✓ High Performance Windows Based Control Server
- ✓ Unlimited (Remote) Servers, Roles and Active Directories
- ✓ Multi-language and Localization Support
- ✓ Multi-level Management i.e. Service Provider, Reseller and Self-Service Customer Control Panel
- ✓ Fully Private Labeled for Provider, Reseller and End Customer Control Panel
- ✓ Support for Commission based Reseller model, and Subscription Based Reseller Model
- ✓ Ability to Manage Multiple Active Directory Domains
- ✓ Fully Load Balanced Control Panel via NLB or any other load balancer
- ✓ High Availability solution encompassing Load Balancing and fault tolerance
- ✓ IP Lock-Down policy for system/staff users.
- ✓ One click backup of MachPanel database from Control Panel Configuration Studio
- ✓ ADSync feature to programmatically allow automatic Active Directory Synchronization
- ✓ Detailed Audit Logs to maintain history of all operation performed via control panel
- ✓ Import Utility for Importing Existing SharePoint Sites and Users into MachPanel for Management
- ✓ Self Service Password Reset via 4th Level Control Panel Access for Active Directory Users
- ✓ Automatic Setup & Billing Email Notification Manager
- ✓ Unlimited (Remote) Servers, Roles and Active Directories
- ✓ Multi-level Management i.e. Service Provider, Reseller and Self-Service Customer Control Panel
- ✓ Fully Private Labeled for Provider and Reseller Control Panel

- ✓ SSL Protection and Encryption of Control Panel Communication
- ✓ Secure Encrypted Information exchange between Remote and Control Server
- ✓ Subscribe Existing Organization and Users to CRM, Skype for Business and Exchange Services
- ✓ Complete Billing, Helpdesk and e-Commerce Center
- ✓ Subscribe Existing Organization and Users to CRM, Skype for Business and SharePoint Services
- ✓ Complete Billing, Helpdesk and e-Commerce Center
- ✓ Detailed Audit Logs to maintain history of all operation performed via control panel
- ✓ Work flows for various operations
- ✓ Single Sign-On for all Enterprise Extensions
- ✓ 3rd Party Authentication for Control Panel
- ✓ Two factor Authentication (2FA) for all types of Users
- ✓ Automatic Setup & Billing Email Notification Manager
- ✓ Built in E-Commerce Store with Fraud Control & Prevention
- ✓ Support for various payment gateways for automatic payment processing.
- ✓ Safer Pay integration added. New!
- ✓ PCI Compliance integration for Authorize.Net CIM and PayPal Pro Payflow Edition.
- ✓ MachPanel Store API to facilitate providers to completely customize the online web store.
- ✓ Quick links to subscription management interfaces on Customer's dashboard.
- ✓ Terms and conditions Providers/Resellers
- ✓ Ability to customize skin. Add Custom title on Dashboard. New!
- ✓ Supports MailChimp for Mailling Lists
- ✓ Login with ADFS functionality added New!
- ✓ MachPanel REST API Configuration New!

B. Microsoft SharePoint Features

- ✓ Multi-tenant Support
- ✓ Feature Pack(s) Support
- ✓ Tenant Admin Site
- ✓ Supports Vanity and Sub-Domain Scenarios
- ✓ Supports SSL site collections
- ✓ SharePoint NLB handling
- ✓ Multi Language Support
- ✓ DNS and Host Headers handling
- ✓ Bulk User creation for SharePoint organizations.
- ✓ Ability to perform Group Actions on SharePoint users (perform an operation on multiple users in a single go).
- ✓ Manage backup/restore on site collection level in SharePoint
- ✓ SharePoint Foundation 2013 Feature Pack handling
- ✓ Improved SharePoint 2013 Multi-tenancy, where MachPanel allows to add different versions/editions of SharePoint under same AD environment.
- ✓ Handle SSL via MachPanel for SharePoint vanity sites
- ✓ **Microsoft SharePoint Server 2019** support New!
- ✓ Schedule SharePoint user add/delete actions using workflows New!

5.3 Supported SharePoint Features

Following is the list of supported features of MachPanel SharePoint:

Features		Supported
Active Directory Management	➢ Active Directory Management ➢ Add/Remove AD Organizations ➢ Add/Remove AD Users ➢ Add user details while adding AD user ➢ Option to Change Password and Unlock the AD User ➢ Add/Remove Security Groups ➢ Give AD Users Membership to Security Groups ➢ Activate SharePoint on AD Users Created via MachPanel ➢ Provider/Reseller has an ability to edit AD user from MachPanel AD interface	✔
Service Offering Options	➢ Intuitive Service Plan Wizard ➢ Clone Service Plans ➢ Ability to Provision Services using Separate Service Account ➢ Group SharePoint Servers (Web Apps) under Server Group ➢ Add-on's Selling & Management ➢ Ability to Provision Services using Separate Service Account ➢ Selling of Services Based on Server Groups ➢ Offer Service via Service Plans ➢ Selling on Per Site OR Per User Basis or in Bulk ➢ Sandboxed storage resource management functionality	✔
DNS Handling	➢ Ability to integrate Multiple DNS Servers as Primary & Secondary ➢ Auto Generated DNS Records for SharePoint Domains ➢ DNS and Host Headers Handling	✔
Load Balancing	➢ Supports Redundancy with Load Balanced SharePoint Servers	✔
Organization Management	➢ Quick Access to Service Management ➢ Put on Hold / Suspend Access to Panel for Customer/Administrator ➢ Complete Migration Capabilities ➢ Manage SharePoint Portals ➢ SharePoint Site creation/deletion ➢ Add/Remove and set Domains as Default ➢ Ability to Add/Edit/Remove SharePoint Users ➢ Ability to assign different roles to users (Full Control, Design, Contribute, Read) ➢ Ability to Allocate/Update Storage Quota ➢ Enable SharePoint service on existing AD Users in Bulk	✔
	➢ Auto Generate Reports	

Reporting	➢ SPLA Report Generation and Export to Excel Option ➢ Usage Report Generation for SharePoint Sites (Export to Excel Option) ➢ Detailed Usage Report for SharePoint Sites ➢ Disk Usage Calculation for SharePoint Site ➢ Schedule to automatically generate and email reports to provider	✓

6. Strengths of MachPanel Automation Module for Microsoft SharePoint

6.1 Reseller Module

Addition of yet another powerful feature for MachPanel Automation Module for Microsoft SharePoint is the introduction of reseller module. Reseller module escalates the degree of operations that could be performed through MachPanel, allowing the reseller to create accounts, sign up new customers, distribute resources and resell services to end customers and to manage hosting services.

6.2 Active Directory Accounts Sharing

MachPanel shares Active Directory domain accounts across multiple services thus reducing the Microsoft CAL requirements, increasing service provider's profitability and easing the client operations.

6.3 Multiple Microsoft SharePoint Servers Support

You can configure MachPanel to provision services across multiple SharePoint servers in a load balanced manner.

6.4 Delegated Administration

MachPanel framework delegates administration, allowing your customers to manage their own resources including databases, e-mail, payment and contact information. By enabling customers to self-provision their accounts, service providers can see a marked reduction in the number of service requests arriving at their call centers.

6.5 Automated Provisioning

Automated provisioning can free development resources to work on revenue-generating projects, such as deployment of new value-added services.

6.6 SharePoint Multi-tenant Pack

MachPanel also provides the Sharepoint 2010 Multi-tenant & SharePoint 2013 Multi-tenant hosting along with **Billing**, **Helpdesk** and **Network** Management.

6.7   SharePoint Server 2016 & 2019 New!

MachPanel also provides the Sharepoint Server 2016 and **SharePoint 2019** New! hosting along with **Billing**, **Helpdesk** and **Network** Management.

7. MachPanel Other Products

MachPanel's other products are **MachPanel Automation Module for Microsoft Exchange, CRM**, **Skype for Business**, **CSP, Work Folders, RDS and Hyper-V** etc. It fully automates the service planning, billing, provisioning and management of several Traditional hosted services (Web Hosting) as well as Enterprise Hosting. Traditional hosting (also known as Shared Web & Data Hosting) is offered by **MachPanel Automation Module for Web Hosting**.
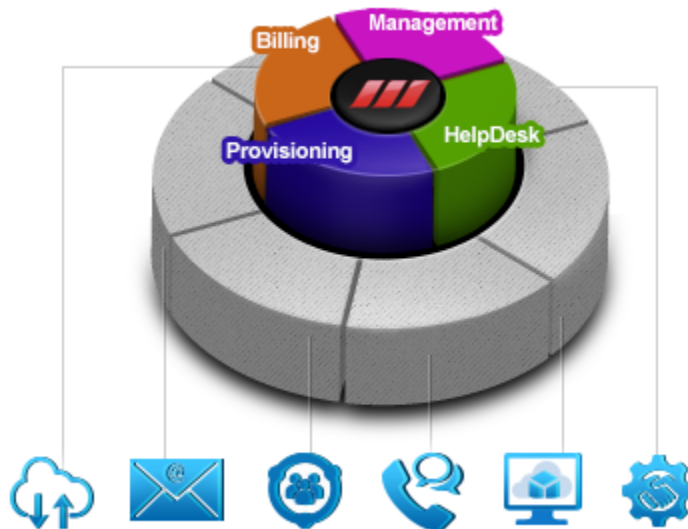
8. Conclusion

Selection of web hosting Control Panel with well-versed feature set has always been a tough job. Most of the control panels either offer billing or help desk or provisioning capabilities. MachPanel makes this job much easier and simpler by adding **billing, help desk, provisioning**, **management** and **network monitoring** capabilities all together in one **COMPLETE** integrated and a unified package.

MachPanel Automation Module for Microsoft SharePoint boosts your business productivity and increases revenue by giving you full control and power to advance in your desired direction. It provides diverse features along with essential elements to strengthen your business and empower it with financial growth. MachPanel fully supports **Microsoft Sharepoint 2019 & legacy versions.**

9. Useful Resources

We maintain handful of useful resources to allow better support and enhance user experience with our product, making the most of it. You can utilize this supplementary information as per requirement. Just follow the mentioned links for further assistance]

No#	Documents and Guides	Links
1.	Frequently Asked Questions (FAQs):	http://kb.machsol.com/Knowledgebase/2
2.	Knowledge Base (KB):	http://kb.machsol.com/
3.	Blogs:	http://blog.machsol.com

10. Contact Us

MachSol is leader in unified automation software that solves business and operational challenges in delivering scalable hosted software in private cloud, public cloud and hybrid cloud environments.

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