Summary

This article guides how to configure MachPanel REST API

Prerequisites

.Net 4.7.2 or later is required

Configuration

Download <u>https://www.machsol.com/updates/8032/MachPanel/RESTAPI.zip</u> (Updated 10 June, 2025), unzip, and place it on a path that can be accessed via IIS Web Site Creation Wizard.



Launch IIS Manager, Select Application Pools, Click to Add Application Pool in Action

pane.

Specify a Name and select .NET CLR version (v4.0), Click OK

📬 Internet Information Services (IIS) Manager					– 0 ×
← → a + Application Pools					🖬 🖂 🔂 •
File View Help					
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- 1. Select the pool,
- 2. In Action pane, click on Advance Settings
- 3. Locate Identity (under Process Model)
- 4. Select **Custom account**
- 5. Specify credentials, click **OK**
 - **Note:** This account shall have read/write access to physical path and MachPanel registry, it is recommended to use same identity account which is used for MachPanel App pool.

View Help									
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28	Application	n Pools	;	Adv	vanced Settings	? >	C	Add Applic	ation Pool
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Curtom account					dentity identityType username password]	Configures the application pool to run	•••••		
Custom account: 4			a	s built-in account, i.e. Application	Pool Identity (recommended). Network				
			Set	S	ervice, Local System, Local Service,	or as a specific user identity.	E OK	Canad	
							3 04	Cancel	

Click to add website, follow these steps

- Specify Site name
- Specify Physical path (steps 2-4)



Now test Settings (Steps 3-5), Click **Close** and **OK** respectively.

	Add Website		? ×		M 🖂 🖬 🕷
File View Help	Site name:	Application pool:			
Consections Consections Subsection Pools Sates Application Pools Sates Pitter: Name ID ADFS Login App 2 Consection App 2 Consect	RESTAPI Content Directory Physical path: Co-Program Files/MachSol/REST Pass-through authentication Connect as Test Settings Binding Type IP a Test Host name: Example: www.contoso.cor De Tr	RESTAPIpool API API Connection Sults Setting Authentication Pass-through auth Authorization Rath is accessible (i tails: tails:	antication (RESTAPIpootMachpanel_web) CAProgram Files/MachGof/REST AP() ad to access the specified physical path.	4	Actions Add Website2 Set Website Defaults Add FTP Site Set FTP Site Defaults Help
	Start Website immediately	ore information about configuring and d	iagnosing UNC connections		

Now browse new website and as you will see as shown below (i.e. Control Panel REST API).

				Control Pane X	+		-
← → C' ŵ	Q https://restapi.controlpanel	.com/swagger/ui/index#/			$\underline{+}$	111\	1
	\varTheta swagger	https://restapi.controlpanel.com/swagger/docs/v1	api_key	Explore			
	Control Panel RES	ΓΑΡΙ					
	addons		Show/Hide List Operations	Expand Operations			
	billing		Show/Hide List Operations	Expand Operations			
	customers		Show/Hide List Operations	Expand Operations			
	products		Show/Hide List Operations	Expand Operations			
	reports		Show/Hide List Operations	Expand Operations			
	resellers		Show/Hide List Operations	Expand Operations			
	subscriptions		Show/Hide List Operations	Expand Operations			
	utilities		Show/Hide List Operations	Expand Operations			
	[BASE URL: , API VERSION: V1]			INVALID {}			

Click on the relevant accordion to see endpoint details and available operations

subso	riptions	Show/Hide	List Operations	Expand Operations
POST	/api/subscriptions/addon-order			Create addon order
PUT	/api/subscriptions/{id}/suspend			Suspend subscription
PUT	/api/subscriptions/{id}/resume			Resume subscription
GET	/api/subscriptions/{id}/addons		Ge	t subscription addons
PUT	/api/subscriptions/{id}/change-package		Change	subscription package
GET	/api/subscriptions/{id}/resources-detail		Get subscri	ption resources detail
GET	/api/subscriptions/{id}/resources-usage		Get subscription r	esources usage detail
GET	/api/subscriptions		Get collection of	subscription resource
POST	/api/subscriptions			Create product order
Respo OK	onse Class (Status 200)			

POST /api/subs	criptions					Create product order
Response Class OK Model Example Va	(Status 200)					
63						
Response Content Parameters Parameter	Type application/json ~		Description	Parameter Type	Data Type	
order	<pre>{ "Bagesler"; { "oppony"; { "optimaryAddress"; string", "primaryAddress"; string", "acconderyAddress"; string", "primaryAddress"; string"; "primaryAddress"; string; string; "primaryAddress"; string; string; "primaryAddress"; string; string; "primaryAddress"; string; string; "primaryAddress; string; str</pre>	< >	Product order resource object	body	Model Example Value ("esselier": ("company": "string", "rimeryAddress": "stri "storotaryAddress": "str "storotary": "string", "rrotange", "string", "rotange", "rotange", "string", "rotange", "rotange", "string", "rotange", "rotange",	۰ ۱۳", ۱۳۳,

MachPanel REST API Configuration

Authentication

MachPanel REST API uses basic authentication for operations requests and each request shall pass the credentials set in MachPanel API settings interface in panel.

See below screenshot for setting credentials for API.

Company Profile Culture Person	alization API Settings erms & Conditions Skins
Information	
atus:	Enabled 👻
uthentication Settings	
API Login:	providertest
API Password:	
llowed IP Addresses :	.10
	[Note: Provide IP addresses in comma separated way. i.e:10.1.1.1, 10.1.1.2, 10.1.1.3]
EST API Settings	
Note: Any change in API settings requires to	o restart REST API application on web server]
upported Authentication Types:	Basic V OAuth2 OAuth2 added in REST API
OAuth2 Token Url:	/api/token
llow Refresh Token Auth:	
llow Insecure Http:	
oken Exnires In:	20 Mins

WHMCS Settings	
WHMCS Module:	[Note: Enabling WHMCS will turn built-in billing module off]
Encryption Key:	Generate
	[Note:This key will be used to encrypt/decrypt data that is transmitted between panel and WHMCS via browser as hidden fields or in the ur This key shall be provided in WHMCS integration configuration file]
Security Code:	Generate
	[Note:This security code will be used to validate the auto login authentication from WHMCS into Panel. This Code shall be provided in WHMCS integration configuration file]
Save	

Known Issue

If following error is seen:

405 - HTTP verb used to access this page is not allowed

Have to update web.config of REST API project on that client as:

Replace section: <system.webServer> with:

<system.webServer>

<modules>

<remove name="WebDAVModule" />

</modules>

<handlers>

<remove name="ExtensionlessUrlHandler-Integrated-4.0" />

<remove name="OPTIONSVerbHandler" />

<remove name="TRACEVerbHandler" />

<remove name="WebDAV" />

<add name="ExtensionlessUrlHandler-Integrated-4.0" path="*." verb="*" type="System.Web.Handlers.TransferRequestHandler" preCondition="integratedMode,runtimeVersionv4.0" />

</handlers>

</system.webServer>

Differences is shown below (right side is final file)



Getting Started with MachPanel REST API

https://kb.machsol.com/Knowledgebase/55675/Getting-Started-with-MachPanel-REST-API

@font-face {font-family:"Cambria Math"; panose-1:2 4 5 3 5 4 6 3 2 4;}@font-face

MachPanel REST API Configuration

{font-family:Calibri; panose-1:2 15 5 2 2 2 4 3 2 4;}@font-face {font-family:"Segoe UI"; panose-1:2 11 5 2 4 2 4 2 2 3;}p.MsoNormal, li.MsoNormal, div.MsoNormal {margin-top:0in; margin-right:0in; margin-bottom:8.0pt; margin-left:0in; line-height:107%; font-size:11.0pt; font-family:"Calibri",sans-serif;}.MsoChpDefault {font-family:"Calibri",sans-serif;}.MsoPapDefault {margin-bottom:8.0pt; line-height:107%;}div.WordSection1 {page:WordSection1;}

MachPanel Knowledgebase https://kb.machsol.com/Knowledgebase/55650/MachPanel-REST-API-Configuration