

# Details on Threads running under Threads Manager

## Summary

This article provides information about the threads running through MachPanel.

## Applies To

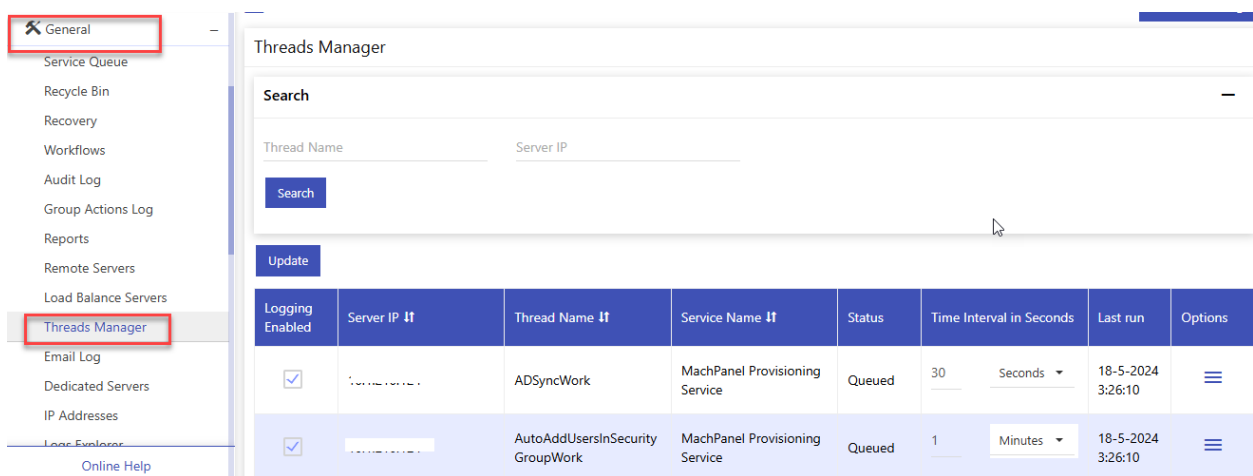
Applies to MachPanel v7 and above.

## Threads Details

In MachPanel, a thread is a process used to perform tasks concurrently. Threads within the MachPanel Control Server handle operations like:

- Provisioning new services
- Communicating with remote agents (e.g., Hyper-V, Exchange, etc.)
- Processing background jobs (e.g., usage reports, license updates)
- Performing scheduled tasks

To see the Threads, Navigate to **Service Director > General > Threads Manager**:



The screenshot shows the MachPanel Threads Manager interface. The left sidebar contains a navigation menu with the following items: General, Service Queue, Recycle Bin, Recovery, Workflows, Audit Log, Group Actions Log, Reports, Remote Servers, Load Balance Servers, **Threads Manager**, Email Log, Dedicated Servers, IP Addresses, Log Explorer, and Online Help. The main panel is titled 'Threads Manager' and includes a search bar with fields for 'Thread Name' and 'Server IP', a 'Search' button, and an 'Update' button. Below these is a table with the following columns: Logging Enabled, Server IP, Thread Name, Service Name, Status, Time Interval in Seconds, Last run, and Options.

Logging Enabled	Server IP	Thread Name	Service Name	Status	Time Interval in Seconds	Last run	Options
<input checked="" type="checkbox"/>	10.10.10.10	ADSyncWork	MachPanel Provisioning Service	Queued	30 Seconds	18-5-2024 3:26:10	⋮
<input checked="" type="checkbox"/>	10.10.10.10	AutoAddUsersInSecurity GroupWork	MachPanel Provisioning Service	Queued	1 Minutes	18-5-2024 3:26:10	⋮

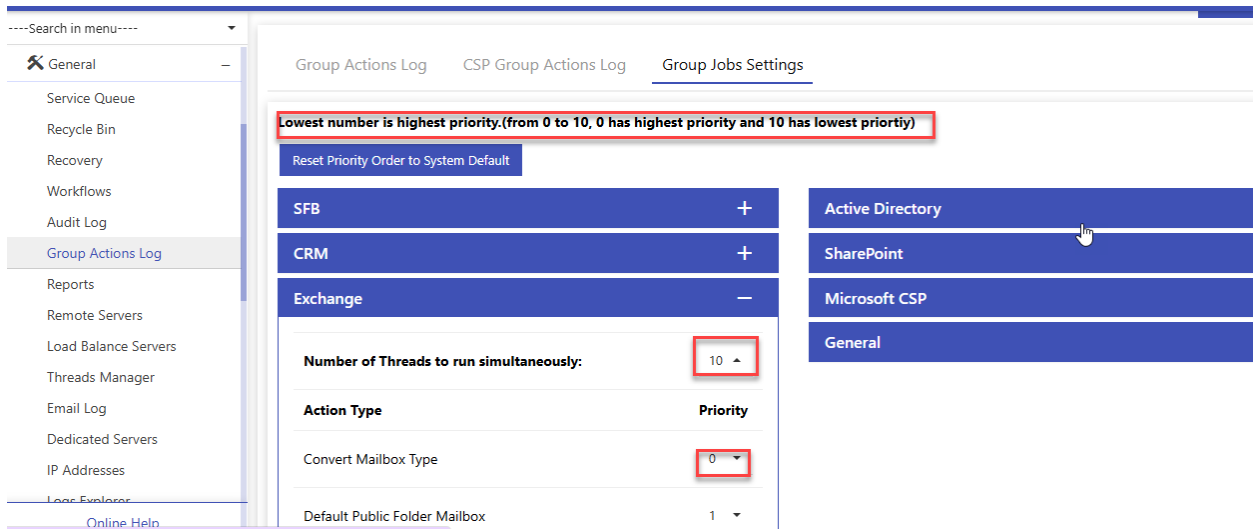
Under this interface it allows you to:

- Enable Logging

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- o If checked, logs will be generated for the relevant thread on your MachPanel Control Server Logs folder (**C:\Program Files\MachSol\MachPanel Control Server\logs**)
- Update Time Interval.
- From the option you can 'Run' or 'Disable'.

You can also update number of threads to run simultaneously by navigating to **Service Director > General > Group Actions Logs** and then click **Group Job Settings**. Here you can increase the number of threads to run simultaneously and also you can set the priority of jobs as well (Lowest number is highest priority.(from 0 to 10, 0 has highest priority and 10 has lowest priority).



Below table provides information about the threads and its relevant tasks running under Threads Manager (**Service Director > General > Threads Manager**).

Threads	Tasks
ADSyncWork	Legacy Thread for
AutoAddUsersInSecurityGroupWork	<ol style="list-style-type: none"><li>1. Adds users to</li><li>2. Handles cha</li><li>3. Sync all syst</li></ol>
AzureRateWork	<ol style="list-style-type: none"><li>1. Gets Azure r</li></ol>

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BandwidthQuotaWork	1. Sync Hostm
BBSyncWork	1. Sync BlackF
BillingWork	1. Processes co 2. Billing work Process Pay 3. Generates O 4. Generates S 5. Generates O
CallDataProcessWork	1. Process Lyn 2. Sync workfl
DiskQuotaWork	1. Sync Hostm
DomainNameDataSyncThread	1. Sync Domai
DomainVerification	1. Verify doma
ExchangeCPUMemoryStatsWork	1. Sync exchan
ExchangeDatabaseStatsWork	1. Sync exchan
ExchangeMailboxMobileDevicesReportWork	1. Create and f
ExchangeServiceStatsWork	1. Read server 2. Read server
ExchangeVolumeStatsWork	1. Read exchan
GroupActionWork	Legacy thread, not
GroupActionWorkAD	1. Process AD 2. Update AD

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	<ol style="list-style-type: none"> <li>3. Sync AD Us</li> <li>4. Disable AD</li> <li>5. Rename and</li> </ol>
GroupActionWorkCRM	<ol style="list-style-type: none"> <li>1. Process CRM</li> <li>2. Sync users f</li> </ol>
GroupActionWorkEx	<ol style="list-style-type: none"> <li>1. Process Exc</li> <li>2. Creates peno</li> <li>3. Assigns OW</li> <li>4. Sync smart l</li> <li>5. Auto correct</li> <li>6. OSS Spam f</li> <li>7. Delete Mail</li> <li>8. Sync externa</li> </ol>
GroupActionWorkGeneral	<ol style="list-style-type: none"> <li>1. Process gene</li> </ol>
GroupActionWorkLync	<ol style="list-style-type: none"> <li>1. Process Lync</li> <li>2. Process call</li> </ol>
GroupActionWorkMailBoxPermissions	<ol style="list-style-type: none"> <li>1. Sync mailbo</li> <li>2. Sync mailbo</li> </ol>
GroupActionWorkSIP	<ol style="list-style-type: none"> <li>1. Process SIP</li> </ol>
GroupActionWorkSP	<ol style="list-style-type: none"> <li>1. Process Sha</li> </ol>
GroupActionWorkVPS	<ol style="list-style-type: none"> <li>1. Process VPS</li> <li>2. Update stora</li> <li>3. Delete archi</li> </ol>
HelpDeskCommand	<ol style="list-style-type: none"> <li>1. Process Pop</li> </ol>
HelpDeskWork	<ol style="list-style-type: none"> <li>1. Process Pop</li> <li>2. Remove dele</li> <li>3. Manage lock</li> </ol>

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HyperVHomeBackendThread	<ol style="list-style-type: none"> <li>1. Sync HyperV</li> <li>2. Sync HyperV</li> <li>3. Sync server</li> </ol>
IngramCancelNoticesWork	<ol style="list-style-type: none"> <li>1. Send Ingram</li> </ol>
LicenseWork	<ol style="list-style-type: none"> <li>1. License wor</li> </ol>
MailboxMigrationWork	<ol style="list-style-type: none"> <li>1. Update mail</li> </ol>
MailFlowReport	<ol style="list-style-type: none"> <li>1. Update Exch</li> </ol>
MonitoringWork	<ol style="list-style-type: none"> <li>1. Process Netv TCP, Web P</li> </ol>
O365SyncAdminLogsWork	<ol style="list-style-type: none"> <li>1. Sync O365 a</li> </ol>
Office365SyncWork	<ol style="list-style-type: none"> <li>1. Sync O365 t</li> </ol>
Office365TenantFirstSyncWork	<ol style="list-style-type: none"> <li>1. Send O365 t</li> </ol>
Office365Work	<ol style="list-style-type: none"> <li>1. Process O36</li> <li>2. Handle/clean</li> <li>3. Sync and ren</li> <li>4. Renew O365</li> <li>5. Handle subs</li> </ol>
OverusageResourceNotification	<ol style="list-style-type: none"> <li>1. Handle and</li> </ol>
PeerFileSyncWork	<ol style="list-style-type: none"> <li>1. Used for Lo</li> </ol> <ul style="list-style-type: none"> <li>• 1.1.Sync sta</li> <li>• 1.2.Sync file</li> </ul>
ProvisioningWork	<ol style="list-style-type: none"> <li>1. Process serv</li> </ol>

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	2. Process Dig
	3. Generate O3
	4. Update Sect
	5. Process pen
	6. Update new
	7. Delete 90 da
	8. Delete 100 c
	9. Updates prin
	10. Update exch
	11. Update AD
	12. Update AD
	13. Update dom
	14. Update AD
	15. Update SIP
	16. Delete top 1
	17. Delete top 1
	18. Delete top 1
	19. Update blan
	20. Update exch
	21. Work PPU
	22. Work Provis
	23. Sync mailbo
	24. Suspend exp
	25. Remove and
	26. Remove and
	27. Verify and c
	28. Merge Add-
	29. Send service
	30. Send VPS up
	31. Execute toda
	32. Execute toda
	33. Insert hosted
	34. Delete unver
	35. Apply bindi
	36. Set NSA reg
	37. Update Shar
	38. Update emp
	39. Sync subscri
	40. Remove orp
	41. Send recycle

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	<ul style="list-style-type: none"> <li>42. Send recovery</li> <li>43. Auto delete</li> <li>44. Remove 2 m</li> <li>45. Run configur</li> <li>46. Sync AD use</li> </ul>
QuotaOverUsedWork	<ul style="list-style-type: none"> <li>1. Sync subscri</li> <li>2. Mark subscri</li> </ul>
RDSSyncWork	<ul style="list-style-type: none"> <li>1. Get AD user</li> </ul>
ReconciliateO365SubsWork	<ul style="list-style-type: none"> <li>1. Sync O365 s</li> </ul>
SendEmailCampaignWork	<ul style="list-style-type: none"> <li>1. Process ema</li> </ul>
SendEmailNotificationsWork	<ul style="list-style-type: none"> <li>1. Process noti</li> </ul>
ServerStatsWork	<ul style="list-style-type: none"> <li>1. Sync server</li> </ul>
SessionsMgtWork	<ul style="list-style-type: none"> <li>1. Update sessi</li> <li>2. Delete sessi</li> </ul>
SyncADUsersWork	<ul style="list-style-type: none"> <li>1. Sync all AD</li> </ul>
SyncCSPOffers	<ul style="list-style-type: none"> <li>1. Read CSP p</li> </ul>
SyncFromBackendWork	<ul style="list-style-type: none"> <li>1. Sync CRM c</li> <li>2. Sync ShareP</li> <li>3. Sync AD co</li> </ul>
SynchDNSRecordsWork	<ul style="list-style-type: none"> <li>1. Read Hostm</li> <li>2. Send domain</li> </ul>
SyncHealthMetricsWork	<ul style="list-style-type: none"> <li>1. Sync softwa</li> </ul>
SyncLockedUsersWork	<ul style="list-style-type: none"> <li>1. Sync all AD</li> </ul>

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SyncMissingDataWork	<ol style="list-style-type: none"> <li>1. Sync AD users</li> <li>2. Sync Exchange</li> </ol>
SyncStaffUsersWork	<ol style="list-style-type: none"> <li>1. Sync employees</li> </ol>
TransferWork	<ol style="list-style-type: none"> <li>1. Process transfer requests</li> <li>2. Process Hosted Voicemail</li> <li>3. Delete 90 day old data</li> </ol>
UsageReportScheduleWork	<ol style="list-style-type: none"> <li>1. Send enterprise reports</li> </ol>
UsageReportWork	<ol style="list-style-type: none"> <li>1. Read and create reports</li> <li>2. Generate Accounts</li> <li>3. Automatic download</li> <li>4. Sync averages</li> <li>5. Generate Shareable Reports</li> <li>6. Calculate License Usage</li> <li>7. Remove orphaned data</li> </ol>
UserPasswordExpiryNotificationWork	<ol style="list-style-type: none"> <li>1. Send notifications</li> </ol>
VoiceCurrentLimitSyncWork	<ol style="list-style-type: none"> <li>1. Update Extension Limits</li> <li>2. Sync subscriptions</li> <li>3. Sync companies</li> <li>4. Delete all old data</li> </ol>
VoiceSyncWork	<ol style="list-style-type: none"> <li>1. Sync all voice data</li> </ol>
VPSCPUMemoryStatsWork	Legacy, functional
VPSEventLogsStatsWork	Legacy, functional
VPSHypervisorStatsWork	Legacy, functional
VPSInventoryStatsWork	Legacy, functional



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VPSServicesStatsWork	Legacy, functional
VPSSStorageStatsWork	Legacy, functional
WorkflowsThread	1. Process wor
WorkfolderSyncWork	1. Sync Workf

MachPanel Knowledgebase

<https://kb.machsol.com/Knowledgebase/55787/Details-on-Threads-running-under...>