

# Table of Contents

## ASA Manager

Mmm.Iot.AsaManager.WebService.Controllers

DeviceGroupsController

RulesController

StatusController

## Config

Mmm.Iot.Config.WebService.Controllers

ConfigTypesController

DeviceGroupController

PackagesController

SeedController

SolutionSettingsController

StatusController

UserSettingsController

## Device Telemetry

Mmm.Iot.DeviceTelemetry.WebService.Controllers

AlarmsByRuleController

AlarmsController

DeviceFilesController

MessagesController

RulesController

StatusController

## Diagnostics

Mmm.Iot.Diagnostics.WebService.Controllers

DiagnosticsEventsController

StatusController

## Identity Gateway

Mmm.Iot.IdentityGateway.Controllers

AuthorizeController

Mmm.Iot.IdentityGateway.WebService.Controllers

ConfigurationController

ErrorModel

LowercaseContractResolver

StatusController

SystemAdminController

UserSettingsController

UserTenantController

IoT Hub Manager

Mmm.Iot.IoTHubManager.WebService.Controllers

DeploymentsController

DevicePropertiesController

DevicesController

JobsController

ModulesController

StatusController

Storage Adapter

Mmm.Iot.StorageAdapter.WebService.Controllers

StatusController

ValuesController

Tenant Manager

Mmm.Iot.TenantManager.WebService.Controllers

AlertingController

StatusController

TenantController

TenantReadyController



# Namespace Mmm.Iot.AsaManager.WebService.Controllers

## Classes

[DeviceGroupsController](#)

[RulesController](#)

[StatusController](#)



# Class DeviceGroupsController

## Inheritance

System.Object

DeviceGroupsController

Namespace: [Mmm.Iot.AsaManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class DeviceGroupsController : Controller
```

## Constructors

DeviceGroupsController(DeviceGroupsConverter, IBeginConversionHelper)

## Declaration

```
public DeviceGroupsController(DeviceGroupsConverter devicegroupConverter, IBeginConversionHelper beginConversionHelper)
```

## Parameters

TYPE	NAME	DESCRIPTION
DeviceGroupsConverter	devicegroupConverter	
IBeginConversionHelper	beginConversionHelper	

## Methods

BeginDeviceGroupConversion()

## Declaration

```
public BeginConversionApiModel BeginDeviceGroupConversion()
```

## Returns

TYPE	DESCRIPTION
BeginConversionApiModel	

BeginIotHubJobDelayDeviceGroupConversion(String)

## Declaration

```
public BeginConversionApiModel BeginIotHubJobDelayDeviceGroupConversion(string jobId)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.String	jobId	

## Returns

TYPE	DESCRIPTION
BeginConversionApiModel	



# Class RulesController

Inheritance

System.Object  
RulesController

Namespace: [Mmm.Iot.AsaManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class RulesController : Controller
```

## Constructors

RulesController(RulesConverter, IBeginConversionHelper)

Declaration

```
public RulesController(RulesConverter ruleConverter, IBeginConversionHelper beginConversionHelper)
```

Parameters

TYPE	NAME	DESCRIPTION
RulesConverter	ruleConverter	
IBeginConversionHelper	beginConversionHelper	

## Methods

BeginRuleConversion()

Declaration

```
public BeginConversionApiModel BeginRuleConversion()
```

Returns

TYPE	DESCRIPTION
BeginConversionApiModel	



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.AsaManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

## Constructors

### StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

## Methods

### GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

### Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Namespace Mmm.Iot.Config.WebService.Controllers

## Classes

[ConfigTypesController](#)

[DeviceGroupController](#)

[PackagesController](#)

[SeedController](#)

[SolutionSettingsController](#)

[StatusController](#)

[UserSettingsController](#)





# Class ConfigTypesController

## Inheritance

System.Object

ConfigTypesController

## Inherited Members

System.Object.ToString()

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class ConfigTypesController
```

## Constructors

ConfigTypesController(IStorage)

## Declaration

```
public ConfigTypesController(IStorage storage)
```

## Parameters

TYPE	NAME	DESCRIPTION
IStorage	storage	

## Methods

GetAllConfigTypesAsync()

## Declaration

```
public Task<ConfigTypeListApiModel> GetAllConfigTypesAsync()
```

## Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ConfigTypeListApiModel>	



# Class DeviceGroupController

## Inheritance

System.Object

DeviceGroupController

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class DeviceGroupController : Controller
```

## Constructors

### DeviceGroupController(IStorage)

#### Declaration

```
public DeviceGroupController(IStorage storage)
```

#### Parameters

TYPE	NAME	DESCRIPTION
IStorage	storage	

## Methods

### CreateAsync(DeviceGroupApiModel)

#### Declaration

```
public Task<DeviceGroupApiModel> CreateAsync(DeviceGroupApiModel input)
```

#### Parameters

TYPE	NAME	DESCRIPTION
DeviceGroupApiModel	input	

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceGroupApiModel>	

### DeleteAsync(String)

#### Declaration

```
public Task DeleteAsync(string id)
```

#### Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

GetAllAsync()

Declaration

```
public Task<DeviceGroupListApiModel> GetAllAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceGroupListApiModel>	

GetAsync(String)

Declaration

```
public Task<DeviceGroupApiModel> GetAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceGroupApiModel>	

UpdateAsync(String, DeviceGroupApiModel)

Declaration

```
public Task<DeviceGroupApiModel> UpdateAsync(string id, DeviceGroupApiModel input)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
DeviceGroupApiModel	input	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceGroupApiModel>	



# Class PackagesController

Inheritance

System.Object

PackagesController

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class PackagesController : Controller
```

Constructors

PackagesController(IStorage)

Declaration

```
public PackagesController(IStorage storage)
```

Parameters

TYPE	NAME	DESCRIPTION
IStorage	storage	

Fields

InactivePackageTag

Declaration

```
public const string InactivePackageTag = "reserved.inactive"
```

Field Value

TYPE	DESCRIPTION
System.String	

Methods

ActivatePackageAsync(String)

Declaration

```
public Task<ActionResult<PackageApiModel>> ActivatePackageAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult<PackageApiModel>>	

AddTagAsync(String, String)

Declaration

```
public Task<ActionResult<PackageApiModel>> AddTagAsync(string id, string tag)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.String	tag	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult<PackageApiModel>>	

DeactivatePackageAsync(String)

Declaration

```
public Task<ActionResult<PackageApiModel>> DeactivatePackageAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult<PackageApiModel>>	

DeleteAsync(String)

Declaration

```
public Task DeleteAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

## GetAsync(String)

### Declaration

```
public Task<PackageApiModel> GetAsync(string id)
```

### Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<PackageApiModel>	

## GetFilteredAsync(String, String, List<String>, String)

### Declaration

```
public Task<PackageListApiModel> GetFilteredAsync(string packageType, string configType, List<string> tags, string tagOperator = "AND")
```

### Parameters

TYPE	NAME	DESCRIPTION
System.String	packageType	
System.String	configType	
List<System.String>	tags	
System.String	tagOperator	

### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<PackageListApiModel>	

## PostAsync(String, String, String, String, List<String>, IFormFile)

### Declaration

```
public Task<PackageApiModel> PostAsync(string packageName, string packageType, string configType, string version, List<string> tags, IFormFile package)
```

### Parameters

TYPE	NAME	DESCRIPTION
System.String	packageName	
System.String	packageType	
System.String	configType	

TYPE	NAME	DESCRIPTION
System.String	version	
List<System.String>	tags	
IFormFile	package	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<PackageApiModel>	

RemoveTagAsync(String, String)

Declaration

```
public Task<ActionResult<PackageApiModel>> RemoveTagAsync(string id, string tag)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.String	tag	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult<PackageApiModel>>	

RemoveTagsAsync(String)

Declaration

```
public Task<ActionResult<PackageApiModel>> RemoveTagsAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult<PackageApiModel>>	

UploadFileAsync(IFormFile)

Declaration

```
public Task<UploadFileServiceModel> UploadFileAsync(IFormFile uploadedFile)
```

Parameters

TYPE	NAME	DESCRIPTION
IFormFile	uploadedFile	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UploadFileServiceModel>	





# Class SeedController

Inheritance

System.Object

SeedController

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class SeedController : Controller
```

Constructors

SeedController(ISeed)

Declaration

```
public SeedController(ISeed seed)
```

Parameters

TYPE	NAME	DESCRIPTION
ISeed	seed	

Methods

PostAsync()

Declaration

```
public Task PostAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	



# Class SolutionSettingsController

Inheritance

System.Object

SolutionSettingsController

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class SolutionSettingsController : Controller
```

## Constructors

SolutionSettingsController(IStorage, IActions)

Declaration

```
public SolutionSettingsController(IStorage storage, IActions actions)
```

Parameters

TYPE	NAME	DESCRIPTION
IStorage	storage	
IActions	actions	

## Methods

GetActionsSettingsAsync()

Declaration

```
public Task<ActionSettingsListApiModel> GetActionsSettingsAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionSettingsListApiModel>	

GetDefaultFirmwareSettingAsync()

Declaration

```
public Task<DefaultFirmwareSettingApiModel> GetDefaultFirmwareSettingAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DefaultFirmwareSettingApiModel>	

GetLogoAsync()

Declaration

```
public Task GetLogoAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

GetThemeAsync()

Declaration

```
public Task<Theme> GetThemeAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<Theme>	

SetDefaultFirmwareSettingAsync(DefaultFirmwareSettingApiModel)

Declaration

```
public Task<ValueApiModel> SetDefaultFirmwareSettingAsync(DefaultFirmwareSettingApiModel settingModel)
```

Parameters

TYPE	NAME	DESCRIPTION
DefaultFirmwareSettingApiModel	settingModel	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ValueApiModel>	

SetLogoAsync()

Declaration

```
public Task SetLogoAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

SetThemeAsync(Theme)

Declaration

```
public Task<Theme> SetThemeAsync(Theme theme)
```

Parameters

TYPE	NAME	DESCRIPTION
Theme	theme	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<Theme>	



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

## Constructors

### StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

## Methods

### GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

### Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Class UserSettingsController

Inheritance

System.Object

UserSettingsController

Namespace: [Mmm.Iot.Config.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class UserSettingsController : Controller
```

## Constructors

### UserSettingsController(IStorage)

Declaration

```
public UserSettingsController(IStorage storage)
```

Parameters

TYPE	NAME	DESCRIPTION
IStorage	storage	

## Methods

### GetUserSettingAsync(String)

Declaration

```
public Task<object> GetUserSettingAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Object>	

### SetUserSettingAsync(String, Object)

Declaration

```
public Task<object> SetUserSettingAsync(string id, object setting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

TYPE	NAME	DESCRIPTION
System.Object	setting	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Object>	



# Namespace Mmm.Iot.DeviceTelemetry.WebService.Controllers

## Classes

[AlarmsByRuleController](#)

[AlarmsController](#)

[DeviceFilesController](#)

[MessagesController](#)

[RulesController](#)

[StatusController](#)





# Class AlarmsByRuleController

Inheritance

System.Object

AlarmsByRuleController

Namespace: [Mmm.Iot.DeviceTelemetry.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class AlarmsByRuleController : Controller
```

## Constructors

AlarmsByRuleController(IAlarms, IRules, ILogger<AlarmsByRuleController>)

Declaration

```
public AlarmsByRuleController(IAlarms alarmService, IRules ruleService, ILogger<AlarmsByRuleController> logger)
```

Parameters

TYPE	NAME	DESCRIPTION
IAlarms	alarmService	
IRules	ruleService	
ILogger< <a href="#">AlarmsByRuleController</a> >	logger	

## Methods

GetAsync(String, String, String, Nullable<Int32>, Nullable<Int32>, String)

Declaration

```
public Task<AlarmByRuleListApiModel> GetAsync(string from, string to, string order, int? skip, int? limit, string devices)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	from	
System.String	to	
System.String	order	
System.Nullable<System.Int32>	skip	
System.Nullable<System.Int32>	limit	
System.String	devices	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmByRuleListModel>	

GetAsync(String, String, String, String, Nullable<Int32>, Nullable<Int32>, String)

Declaration

```
public Task<AlarmListByRuleApiModel> GetAsync(string id, string from, string to, string order, int? skip, int? limit, string devices)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.String	from	
System.String	to	
System.String	order	
System.Nullable<System.Int32>	skip	
System.Nullable<System.Int32>	limit	
System.String	devices	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmListByRuleApiModel>	

PostAsync(QueryApiModel)

Declaration

```
public Task<AlarmByRuleListModel> PostAsync(QueryApiModel body)
```

Parameters

TYPE	NAME	DESCRIPTION
QueryApiModel	body	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmByRuleListModel>	

PostAsync(String, QueryApiModel)

Declaration

```
public Task<AlarmListByRuleApiModel> PostAsync(string id, QueryApiModel body)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
QueryApiModel	body	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmListByRuleApiModel>	



# Class AlarmsController

Inheritance

System.Object  
AlarmsController

Namespace: [Mmm.Iot.DeviceTelemetry.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class AlarmsController : Controller
```

## Constructors

AlarmsController(IAlarms, ILogger<AlarmsController>)

Declaration

```
public AlarmsController(IAlarms alarmService, ILogger<AlarmsController> logger)
```

Parameters

TYPE	NAME	DESCRIPTION
IAlarms	alarmService	
ILogger< <a href="#">AlarmsController</a> >	logger	

## Methods

Delete(AlarmIdListApiModel)

Declaration

```
public void Delete(AlarmIdListApiModel alarmList)
```

Parameters

TYPE	NAME	DESCRIPTION
AlarmIdListApiModel	alarmList	

DeleteAsync(String)

Declaration

```
public Task DeleteAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

GetAsync(String)

Declaration

```
public Task<AlarmApiModel> GetAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmApiModel>	

ListAsync(String, String, String, Nullable<Int32>, Nullable<Int32>, String)

Declaration

```
public Task<AlarmListApiModel> ListAsync(string from, string to, string order, int? skip, int? limit, string devices)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	from	
System.String	to	
System.String	order	
System.Nullable<System.Int32>	skip	
System.Nullable<System.Int32>	limit	
System.String	devices	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmListApiModel>	

PatchAsync(String, AlarmStatusApiModel)

Declaration

```
public Task<AlarmApiModel> PatchAsync(string id, AlarmStatusApiModel body)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
AlarmStatusApiModel	body	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmApiModel>	

PostAsync(QueryApiModel)

Declaration

```
public Task<AlarmListApiModel> PostAsync(QueryApiModel body)
```

Parameters

TYPE	NAME	DESCRIPTION
QueryApiModel	body	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<AlarmListApiModel>	



# Class DeviceFilesController

Inheritance

System.Object

DeviceFilesController

Namespace: [Mmm.Iot.DeviceTelemetry.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class DeviceFilesController : Controller
```

## Constructors

### DeviceFilesController(IDeviceFileUploads)

Declaration

```
public DeviceFilesController(IDeviceFileUploads deviceFileUploads)
```

Parameters

TYPE	NAME	DESCRIPTION
IDeviceFileUploads	deviceFileUploads	

## Methods

### GetDeviceUploads(String)

Declaration

```
public Task<DeviceFileListApiModel> GetDeviceUploads(string deviceId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	deviceId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceFileListApiModel>	

### GetFileContents(DownloadRequest)

Declaration

```
public Task<IActionResult> GetFileContents(DownloadRequest downloadRequest)
```

Parameters

TYPE	NAME	DESCRIPTION
DownloadRequest	downloadRequest	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult>	





# Class MessagesController

Inheritance

System.Object

MessagesController

Namespace: [Mmm.Iot.DeviceTelemetry.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class MessagesController : Controller
```

## Constructors

MessagesController(IMessages, ILogger<MessagesController>, AppConfig)

Declaration

```
public MessagesController(IMessages messageService, ILogger<MessagesController> logger, AppConfig config)
```

Parameters

TYPE	NAME	DESCRIPTION
IMessages	messageService	
ILogger< <a href="#">MessagesController</a> >	logger	
AppConfig	config	

## Methods

GetAsync(String, String, String, Nullable<Int32>, Nullable<Int32>, String)

Declaration

```
public Task<MessageListApiModel> GetAsync(string from, string to, string order, int? skip, int? limit, string devices)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	from	
System.String	to	
System.String	order	
System.Nullable<System.Int32>	skip	
System.Nullable<System.Int32>	limit	
System.String	devices	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<MessageListApiModel>	

GetTopDeviceMessagesAsync(Nullable<Int32>, String)

Declaration

```
public Task<MessageListApiModel> GetTopDeviceMessagesAsync(int? limit, string deviceId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Nullable<System.Int32>	limit	
System.String	deviceId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<MessageListApiModel>	

PostAsync(QueryApiModel)

Declaration

```
public Task<MessageListApiModel> PostAsync(QueryApiModel body)
```

Parameters

TYPE	NAME	DESCRIPTION
QueryApiModel	body	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<MessageListApiModel>	



# Class RulesController

Inheritance

System.Object

RulesController

Namespace: [Mmm.Iot.DeviceTelemetry.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class RulesController : Controller
```

## Constructors

### RulesController(IRules)

Declaration

```
public RulesController(IRules ruleService)
```

Parameters

TYPE	NAME	DESCRIPTION
IRules	ruleService	

## Methods

### DeleteAsync(String)

Declaration

```
public Task DeleteAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

### GetAsync(String)

Declaration

```
public Task<RuleApiModel> GetAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RuleApiModel>	

ListAsync(String, Nullable<Int32>, Nullable<Int32>, String, Nullable<Boolean>)

Declaration

```
public Task<RuleListApiModel> ListAsync(string order, int? skip, int? limit, string groupId, bool? includeDeleted)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	order	
System.Nullable<System.Int32>	skip	
System.Nullable<System.Int32>	limit	
System.String	groupId	
System.Nullable<System.Boolean>	includeDeleted	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RuleListApiModel>	

PostAsync(String, RuleApiModel)

Declaration

```
public Task<RuleApiModel> PostAsync(string template, RuleApiModel rule)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	template	
RuleApiModel	rule	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RuleApiModel>	

PutAsync(String, RuleApiModel)

Declaration

```
public Task<RuleApiModel> PutAsync(string id, RuleApiModel rule)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
RuleApiModel	rule	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<RuleApiModel>	



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.DeviceTelemetry.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

## Constructors

### StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

## Methods

### GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

### Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Namespace Mmm.Iot.Diagnostics.WebService.Controllers

## Classes

[DiagnosticsEventsController](#)

[StatusController](#)



# Class DiagnosticsEventsController

Inheritance

System.Object

DiagnosticsEventsController

Namespace: [Mmm.Iot.Diagnostics.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class DiagnosticsEventsController : Controller
```

## Constructors

DiagnosticsEventsController(IDiagnosticsClient)

Declaration

```
public DiagnosticsEventsController(IDiagnosticsClient diagnosticsClient)
```

Parameters

TYPE	NAME	DESCRIPTION
IDiagnosticsClient	diagnosticsClient	

## Methods

Post(DiagnosticsEventModel)

Declaration

```
public StatusCodeResult Post(DiagnosticsEventModel diagnosticsEvent)
```

Parameters

TYPE	NAME	DESCRIPTION
DiagnosticsEventModel	diagnosticsEvent	

Returns

TYPE	DESCRIPTION
StatusCodeResult	





# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.Diagnostics.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

Constructors

StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

Methods

GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
Task<StatusApiModel>	

Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Namespace Mmm.Iot.IdentityGateway.Controllers

Classes

[AuthorizeController](#)



# Class AuthorizeController

## Inheritance

System.Object  
AuthorizeController

Namespace: [Mmm.Iot.IdentityGateway.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class AuthorizeController : Controller
```

## Constructors

AuthorizeController(AppConfig, UserTenantContainer, UserSettingsContainer, IJwtHelpers, IOpenIdProviderConfiguration, IAuthenticationContext)

## Declaration

```
public AuthorizeController(AppConfig config, UserTenantContainer userTenantContainer, UserSettingsContainer userSettingsContainer, IJwtHelpers jwtHelper, IOpenIdProviderConfiguration openIdProviderConfiguration, IAuthenticationContext authenticationContext)
```

## Parameters

TYPE	NAME	DESCRIPTION
AppConfig	config	
UserTenantContainer	userTenantContainer	
UserSettingsContainer	userSettingsContainer	
IJwtHelpers	jwtHelper	
IOpenIdProviderConfiguration	openIdProviderConfiguration	
IAuthenticationContext	authenticationContext	

## Methods

Get(String)

## Declaration

```
public IActionResult Get(string post_logout_redirect_uri)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.String	post_logout_redirect_uri	

## Returns

TYPE	DESCRIPTION
IActionResult	

## Get(String, String, String, String, String, String)

### Declaration

```
public IActionResult Get(string redirect_uri, string state, string clientId, string nonce, string tenant, string invite)
```

### Parameters

TYPE	NAME	DESCRIPTION
System.String	redirect_uri	
System.String	state	
System.String	clientId	
System.String	nonce	
System.String	tenant	
System.String	invite	

### Returns

TYPE	DESCRIPTION
IActionResult	

## PostAsync(String, String)

### Declaration

```
public Task<ActionResult> PostAsync(string authHeader, string tenant)
```

### Parameters

TYPE	NAME	DESCRIPTION
System.String	authHeader	
System.String	tenant	

### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ActionResult>	

## PostAsync(String, String, String, String)

### Declaration

```
public Task<object> PostAsync(string state, string id_token, string error, string error_description)
```

#### Parameters

TYPE	NAME	DESCRIPTION
System.String	state	
System.String	id_token	
System.String	error	
System.String	error_description	

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Object>	

### PostTokenAsync(ClientCredentialInput)

#### Declaration

<b>public</b> Task<IActionResult> PostTokenAsync(ClientCredentialInput input)
---

#### Parameters

TYPE	NAME	DESCRIPTION
ClientCredentialInput	input	

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<IActionResult>	



# Namespace Mmm.Iot.IdentityGateway.WebService.Controllers

## Classes

[ConfigurationController](#)

[ErrorModel](#)

[LowercaseContractResolver](#)

[StatusController](#)

[SystemAdminController](#)

[UserSettingsController](#)

[UserTenantController](#)



# Class ConfigurationController

Inheritance

System.Object

ConfigurationController

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class ConfigurationController : Controller
```

## Constructors

ConfigurationController(AppConfig, IOpenIdProviderConfiguration, IRsaHelpers)

Declaration

```
public ConfigurationController(AppConfig config, IOpenIdProviderConfiguration openIdProviderConfiguration, IRsaHelpers rsaHelpers)
```

Parameters

TYPE	NAME	DESCRIPTION
AppConfig	config	
IOpenIdProviderConfiguration	openIdProviderConfiguration	
IRsaHelpers	rsaHelpers	

## Fields

### ContentType

Declaration

```
public const string ContentType = "application/json"
```

Field Value

TYPE	DESCRIPTION
System.String	

## Methods

GetJsonWebKeySet()

Declaration

```
public ContentResult GetJsonWebKeySet()
```

Returns

TYPE	DESCRIPTION
ContentResult	3M IoT Platform on Azure - © 3M 2020

GetOpenIdProviderConfiguration()

Declaration

```
public IActionResult GetOpenIdProviderConfiguration()
```

Returns

TYPE	DESCRIPTION
IActionResult	





# Class ErrorModel

## Inheritance

System.Object  
ErrorModel

## Inherited Members

System.Object.ToString()  
System.Object.Equals(System.Object)  
System.Object.Equals(System.Object, System.Object)  
System.Object.ReferenceEquals(System.Object, System.Object)  
System.Object.GetHashCode()  
System.Object.GetType()  
System.Object.MemberwiseClone()

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class ErrorModel
```

## Properties

### ErrorMessage

#### Declaration

```
public string ErrorMessage { get; set; }
```

#### Property Value

TYPE	DESCRIPTION
System.String	



# Class LowercaseContractResolver

Inheritance

System.Object

LowercaseContractResolver

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class LowercaseContractResolver : DefaultContractResolver
```

## Methods

ResolvePropertyName(String)

Declaration

```
protected override string ResolvePropertyName(string propertyName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	propertyName	

Returns

TYPE	DESCRIPTION
System.String	



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

Constructors

StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

Methods

GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Class SystemAdminController

## Inheritance

System.Object

SystemAdminController

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class SystemAdminController : Controller
```

## Constructors

SystemAdminController(SystemAdminContainer, UserTenantContainer)

## Declaration

```
public SystemAdminController(SystemAdminContainer container, UserTenantContainer userTenantcontainer)
```

## Parameters

TYPE	NAME	DESCRIPTION
SystemAdminContainer	container	
UserTenantContainer	userTenantcontainer	

## Methods

CreateSystemAdminAsync(UserModel)

## Declaration

```
public Task<SystemAdminModel> CreateSystemAdminAsync(UserModel model)
```

## Parameters

TYPE	NAME	DESCRIPTION
UserModel	model	

## Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<SystemAdminModel>	

DeleteSystemAdminAsync(String)

## Declaration

```
public Task<SystemAdminModel> DeleteSystemAdminAsync(string userId)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<SystemAdminModel>	

GetAllNonSystemAdminsAsync()

Declaration

```
public Task<UserListModel> GetAllNonSystemAdminsAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserListModel>	

GetAllSystemAdminsAsync()

Declaration

```
public Task<UserListModel> GetAllSystemAdminsAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserListModel>	



# Class UserSettingsController

Inheritance

System.Object

UserSettingsController

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class UserSettingsController : Controller
```

## Constructors

### UserSettingsController(UserSettingsContainer)

Declaration

```
public UserSettingsController(UserSettingsContainer container)
```

Parameters

TYPE	NAME	DESCRIPTION
UserSettingsContainer	container	

### UserSettingsController(UserSettingsContainer, AppConfig)

Declaration

```
public UserSettingsController(UserSettingsContainer container, AppConfig config)
```

Parameters

TYPE	NAME	DESCRIPTION
UserSettingsContainer	container	
AppConfig	config	

## Methods

### DeleteAsync(String, String)

Declaration

```
public Task<UserSettingsModel> DeleteAsync(string userId, string setting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	setting	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

### GetAllAsync(String)

Declaration

```
public Task<UserSettingsListModel> GetAllAsync(string userId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsListModel>	

### GetAsync(String, String)

Declaration

```
public Task<UserSettingsModel> GetAsync(string userId, string setting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	setting	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

### GetLatestBuildNumber()

Declaration

```
public UserSettingsModel GetLatestBuildNumber()
```

Returns

TYPE	DESCRIPTION
UserSettingsModel	

### GetUserActiveDeviceGroupAsync()

Declaration

```
public Task<UserSettingsModel> GetUserActiveDeviceGroupAsync()
```

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

### PostAsync(String, String, String)

#### Declaration

<b>public</b> Task<UserSettingsModel> PostAsync( <b>string</b> userId, <b>string</b> setting, <b>string</b> value)
--

#### Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	setting	
System.String	value	

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

### PutAsync(String, String, String)

#### Declaration

<b>public</b> Task<UserSettingsModel> PutAsync( <b>string</b> userId, <b>string</b> setting, <b>string</b> value)
---

#### Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
System.String	setting	
System.String	value	

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

### PutUserActiveDeviceGroupAsync(String)

#### Declaration

<b>public</b> Task<UserSettingsModel> PutUserActiveDeviceGroupAsync( <b>string</b> value)
---

#### Parameters



TYPE	NAME	DESCRIPTION
System.String	value	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

UserClaimsDeleteAsync(String)

Declaration

```
public Task<UserSettingsModel> UserClaimsDeleteAsync(string setting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	setting	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

UserClaimsGetAllAsync()

Declaration

```
public Task<UserSettingsListModel> UserClaimsGetAllAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsListModel>	

UserClaimsGetAsync(String)

Declaration

```
public Task<UserSettingsModel> UserClaimsGetAsync(string setting)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	setting	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

UserClaimsPostAsync(String, String)

Declaration

```
public Task<UserSettingsModel> UserClaimsPostAsync(string setting, string value)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	setting	
System.String	value	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	

UserClaimsPutAsync(String, String)

Declaration

```
public Task<UserSettingsModel> UserClaimsPutAsync(string setting, string value)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	setting	
System.String	value	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserSettingsModel>	



# Class UserTenantController

## Inheritance

System.Object

UserTenantController

Namespace: [Mmm.Iot.IdentityGateway.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class UserTenantController : Controller
```

## Constructors

UserTenantController(UserTenantContainer, IJwtHelpers, ISendGridClientFactory, IInviteHelpers, UserSettingsContainer)

## Declaration

```
public UserTenantController(UserTenantContainer container, IJwtHelpers jwtHelper, ISendGridClientFactory sendGridClientFactory, IInviteHelpers inviteHelper, UserSettingsContainer settingsContainer)
```

## Parameters

TYPE	NAME	DESCRIPTION
UserTenantContainer	container	
IJwtHelpers	jwtHelper	
ISendGridClientFactory	sendGridClientFactory	
IInviteHelpers	inviteHelper	
UserSettingsContainer	settingsContainer	

## Methods

DeleteAllAsync()

## Declaration

```
public Task<UserTenantListModel> DeleteAllAsync()
```

## Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantListModel>	

DeleteAsync(String)

## Declaration

```
public Task<UserTenantModel> DeleteAsync(string userId)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

GetAllTenantsForUserAsync(String)

Declaration

```
public Task<UserTenantListModel> GetAllTenantsForUserAsync(string userId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantListModel>	

GetAllUsersForTenantAsync()

Declaration

```
public Task<UserTenantListModel> GetAllUsersForTenantAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantListModel>	

GetAsync(String)

Declaration

```
public Task<UserTenantModel> GetAsync(string userId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

InviteAsync(Invitation)

Declaration

```
public Task<UserTenantModel> InviteAsync(Invitation invitation)
```

Parameters

TYPE	NAME	DESCRIPTION
Invitation	invitation	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

PostAsync(String, UserTenantModel)

Declaration

```
public Task<UserTenantModel> PostAsync(string userId, UserTenantModel model)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
UserTenantModel	model	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

PutAsync(String, UserTenantModel)

Declaration

```
public Task<UserTenantModel> PutAsync(string userId, UserTenantModel update)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	userId	
UserTenantModel	update	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

UserClaimsDeleteAsync()

Declaration

```
public Task<UserTenantModel> UserClaimsDeleteAsync()
```

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

### UserClaimsGetAllTenantsForUserAsync()

#### Declaration

```
public Task<UserTenantListModel> UserClaimsGetAllTenantsForUserAsync()
```

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantListModel>	

### UserClaimsGetAsync()

#### Declaration

```
public Task<UserTenantModel> UserClaimsGetAsync()
```

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

### UserClaimsPostAsync(UserTenantModel)

#### Declaration

```
public Task<UserTenantModel> UserClaimsPostAsync(UserTenantModel model)
```

#### Parameters

TYPE	NAME	DESCRIPTION
UserTenantModel	model	

#### Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	

### UserClaimsPutAsync(UserTenantModel)

#### Declaration

```
public Task<UserTenantModel> UserClaimsPutAsync(UserTenantModel update)
```

#### Parameters

TYPE	NAME	DESCRIPTION
UserTenantModel	update	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantModel>	



# Namespace Mmm.Iot.IoTHubManager.WebService.Controllers

## Classes

[DeploymentsController](#)

[DevicePropertiesController](#)

[DevicesController](#)

[JobsController](#)

[ModulesController](#)

[StatusController](#)





# Class DeploymentsController

Inheritance

System.Object

DeploymentsController

Namespace: [Mmm.Iot.IoTHubManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class DeploymentsController : Controller
```

## Constructors

### DeploymentsController(IDeployments)

Declaration

```
public DeploymentsController(IDeployments deployments)
```

Parameters

TYPE	NAME	DESCRIPTION
IDeployments	deployments	

## Methods

### DeleteAsync(String, Boolean)

Declaration

```
public Task DeleteAsync(string id, bool isDelete = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.Boolean	isDelete	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

### ExportDeploymentReport(String, Boolean)

Declaration

```
public Task<IActionResult> ExportDeploymentReport(string id, bool isLatest = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.Boolean	isLatest	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<IActionResult>	

### GetAsync()

Declaration

```
public Task<DeploymentListApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeploymentListApiModel>	

### GetAsync(String, Boolean, Boolean)

Declaration

```
public Task<DeploymentApiModel> GetAsync(string id, bool includeDeviceStatus = false, bool isLatest = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.Boolean	includeDeviceStatus	
System.Boolean	isLatest	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeploymentApiModel>	

### GetDeploymentImpactedDevices(String, String, Boolean)

Declaration

```
public Task<DeviceListApiModel> GetDeploymentImpactedDevices(string id, string query, bool isLatest = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

TYPE	NAME	DESCRIPTION
System.String	query	
System.Boolean	isLatest	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceListApiModel>	

### GetDeploymentImpactedEdgeModules(String, String, Boolean)

Declaration

```
public Task<TwinPropertiesListApiModel> GetDeploymentImpactedEdgeModules(string id, string query, bool isLatest = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.String	query	
System.Boolean	isLatest	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<TwinPropertiesListApiModel>	

### PostAsync(DeploymentApiModel)

Declaration

```
public Task<DeploymentApiModel> PostAsync(DeploymentApiModel deployment)
```

Parameters

TYPE	NAME	DESCRIPTION
DeploymentApiModel	deployment	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeploymentApiModel>	

### ReactivateAsync(String)

Declaration

```
public Task ReactivateAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	



# Class DevicePropertiesController

Inheritance

System.Object

DevicePropertiesController

Namespace: [Mmm.Iot.IoTHubManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class DevicePropertiesController : Controller
```

## Constructors

DevicePropertiesController(IDeviceProperties)

Declaration

```
public DevicePropertiesController(IDeviceProperties deviceProperties)
```

Parameters

TYPE	NAME	DESCRIPTION
IDeviceProperties	deviceProperties	

## Methods

GetAsync()

Declaration

```
public Task<DevicePropertiesApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DevicePropertiesApiModel>	



# Class DevicesController

Inheritance

System.Object

DevicesController

Namespace: [Mmm.Iot.IoTHubManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class DevicesController : Controller
```

## Constructors

DevicesController(IDevices, IDeviceService, IDeviceProperties)

Declaration

```
public DevicesController(IDevices devices, IDeviceService deviceService, IDeviceProperties deviceProperties)
```

Parameters

TYPE	NAME	DESCRIPTION
IDevices	devices	
IDeviceService	deviceService	
IDeviceProperties	deviceProperties	

## Methods

DeleteAsync(String)

Declaration

```
public Task DeleteAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

GetDeviceAsync(String)

Declaration

```
public Task<DeviceRegistryApiModel> GetDeviceAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceRegistryApiModel>	

GetDeviceDeploymentAsync(String)

Declaration

```
public Task<TwinPropertiesListApiModel> GetDeviceDeploymentAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<TwinPropertiesListApiModel>	

GetDeviceFilesAsync(String)

Declaration

```
public Task<List<string>> GetDeviceFilesAsync(string id)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Collections.Generic.List<System.String>>	

GetDevicesAsync(String)

Declaration

```
public Task<DeviceListApiModel> GetDevicesAsync(string query)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	query	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceListApiModel>	

InvokeDeviceMethodAsync(String, MethodParameterApiModel)

Declaration

```
public Task<MethodResultApiModel> InvokeDeviceMethodAsync(string id, MethodParameterApiModel parameter)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
MethodParameterApiModel	parameter	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<MethodResultApiModel>	

PostAsync(DeviceRegistryApiModel)

Declaration

```
public Task<DeviceRegistryApiModel> PostAsync(DeviceRegistryApiModel device)
```

Parameters

TYPE	NAME	DESCRIPTION
DeviceRegistryApiModel	device	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceRegistryApiModel>	

PutAsync(String, DeviceRegistryApiModel)

Declaration

```
public Task<DeviceRegistryApiModel> PutAsync(string id, DeviceRegistryApiModel device)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
DeviceRegistryApiModel	device	

Returns



TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceRegistryApiModel>	

QueryDevicesAsync(String)

Declaration

```
public Task<DeviceListApiModel> QueryDevicesAsync(string query)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	query	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeviceListApiModel>	

SendCloudToDeviceAsync(String, String)

Declaration

```
public Task SendCloudToDeviceAsync(string id, string message)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	id	
System.String	message	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	



# Class JobsController

Inheritance

System.Object

JobsController

Namespace: [Mmm.Iot.IoTHubManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class JobsController : Controller
```

## Constructors

JobsController(IJobs)

Declaration

```
public JobsController(IJobs jobs)
```

Parameters

TYPE	NAME	DESCRIPTION
IJobs	jobs	

## Methods

GetAsync(Nullable<JobType>, Nullable<JobStatus>, Nullable<Int32>, String, String)

Declaration

```
public Task<IEnumerable<JobApiModel>> GetAsync(JobType? jobType, JobStatus? jobStatus, int? pageSize, string from, string to)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Nullable<JobType>	jobType	
System.Nullable<JobStatus>	jobStatus	
System.Nullable<System.Int32>	pageSize	
System.String	from	
System.String	to	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Collections.Generic.IEnumerable<JobApiModel>>	

GetJobAsync(String, Nullable<Boolean>, Nullable<DeviceJobStatus>)

Declaration

```
public Task<JobApiModel> GetJobAsync(string jobId, bool? includeDeviceDetails, DeviceJobStatus? deviceJobStatus)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	jobId	
System.Nullable<System.Boolean>	includeDeviceDetails	
System.Nullable<DeviceJobStatus>	deviceJobStatus	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<JobApiModel>	

ScheduleAsync(JobApiModel)

Declaration

```
public Task<JobApiModel> ScheduleAsync(JobApiModel parameter)
```

Parameters

TYPE	NAME	DESCRIPTION
JobApiModel	parameter	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<JobApiModel>	



# Class ModulesController

Inheritance

System.Object

ModulesController

Namespace: [Mmm.Iot.IoTHubManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class ModulesController : Controller
```

## Constructors

### ModulesController(IDevices)

Declaration

```
public ModulesController(IDevices devices)
```

Parameters

TYPE	NAME	DESCRIPTION
IDevices	devices	

## Methods

### GetModuleTwinAsync(String, String)

Declaration

```
public Task<TwinPropertiesApiModel> GetModuleTwinAsync(string deviceId, string moduleId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	deviceId	
System.String	moduleId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<TwinPropertiesApiModel>	

### GetModuleTwinsAsync(String)

Declaration

```
public Task<TwinPropertiesListApiModel> GetModuleTwinsAsync(string query)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	query	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<TwinPropertiesListApiModel>	

QueryModuleTwinsAsync(String)

Declaration

```
public Task<TwinPropertiesListApiModel> QueryModuleTwinsAsync(string query)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	query	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<TwinPropertiesListApiModel>	



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.IoTHubManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

Constructors

StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

Methods

GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Namespace Mmm.Iot.StorageAdapter.WebService.Controllers

Classes

[StatusController](#)

[ValuesController](#)



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.StorageAdapter.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

Constructors

StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

Methods

GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	





# Class ValuesController

Inheritance

System.Object

ValuesController

Namespace: [Mmm.Iot.StorageAdapter.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class ValuesController : Controller
```

## Constructors

ValuesController(IKeyValueContainer, IKeyGenerator, ILogger<ValuesController>)

Declaration

```
public ValuesController(IKeyValueContainer container, IKeyGenerator keyGenerator, ILogger<ValuesController> logger)
```

Parameters

TYPE	NAME	DESCRIPTION
IKeyValueContainer	container	
IKeyGenerator	keyGenerator	
ILogger< <a href="#">ValuesController</a> >	logger	

## Methods

Delete(String, String)

Declaration

```
public Task Delete(string collectionId, string key)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	collectionId	
System.String	key	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	

Get(String)

Declaration

```
public Task<ValueListApiModel> Get(string collectionId)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	collectionId	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ValueListApiModel>	

Get(String, String)

Declaration

```
public Task<ValueApiModel> Get(string collectionId, string key)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	collectionId	
System.String	key	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ValueApiModel>	

Post(String, ValueServiceModel)

Declaration

```
public Task<ValueApiModel> Post(string collectionId, ValueServiceModel model)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	collectionId	
ValueServiceModel	model	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ValueApiModel>	

Put(String, String, ValueServiceModel)

Declaration

```
public Task<ValueApiModel> Put(string collectionId, string key, ValueServiceModel model)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	collectionId	
System.String	key	
ValueServiceModel	model	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<ValueApiModel>	



# Namespace Mmm.Iot.TenantManager.WebService.Controllers

## Classes

[AlertingController](#)

[StatusController](#)

[TenantController](#)

[TenantReadyController](#)



# Class AlertingController

Inheritance

System.Object

AlertingController

Namespace: [Mmm.Iot.TenantManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class AlertingController : Controller
```

## Constructors

AlertingController(IAalertingContainer, ILogger<AlertingController>)

Declaration

```
public AlertingController(IAalertingContainer alertingContainer, ILogger<AlertingController> logger)
```

Parameters

TYPE	NAME	DESCRIPTION
IAalertingContainer	alertingContainer	
ILogger< <a href="#">AlertingController</a> >	logger	

## Methods

AddAlertingAsync()

Declaration

```
public Task<StreamAnalyticsJobModel> AddAlertingAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StreamAnalyticsJobModel>	

GetAlertingAsync(Boolean)

Declaration

```
public Task<StreamAnalyticsJobModel> GetAlertingAsync(bool createIfNotExists = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Boolean	createIfNotExists	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StreamAnalyticsJobModel>	

### RemoveAlertingAsync()

Declaration

```
public Task<StreamAnalyticsJobModel> RemoveAlertingAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StreamAnalyticsJobModel>	

### StartAsync()

Declaration

```
public Task<StreamAnalyticsJobModel> StartAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StreamAnalyticsJobModel>	

### StopAsync()

Declaration

```
public Task<StreamAnalyticsJobModel> StopAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StreamAnalyticsJobModel>	



# Class StatusController

Inheritance

System.Object

StatusController

Namespace: [Mmm.Iot.TenantManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public sealed class StatusController : ControllerBase
```

## Constructors

### StatusController(IStatusService)

Declaration

```
public StatusController(IStatusService statusService)
```

Parameters

TYPE	NAME	DESCRIPTION
IStatusService	statusService	

## Methods

### GetAsync()

Declaration

```
public Task<StatusApiModel> GetAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<StatusApiModel>	

### Ping()

Declaration

```
public IActionResult Ping()
```

Returns

TYPE	DESCRIPTION
IActionResult	



# Class TenantController

Inheritance

System.Object  
TenantController

Namespace: [Mmm.Iot.TenantManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

Syntax

```
public class TenantController : Controller
```

## Constructors

TenantController(ITenantContainer, ILogger<TenantController>)

Declaration

```
public TenantController(ITenantContainer tenantContainer, ILogger<TenantController> logger)
```

Parameters

TYPE	NAME	DESCRIPTION
ITenantContainer	tenantContainer	
ILogger< <a href="#">TenantController</a> >	logger	

## Methods

DeleteAsync(Boolean)

Declaration

```
public Task<DeleteTenantModel> DeleteAsync(bool ensureFullyDeployed = true)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Boolean	ensureFullyDeployed	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<DeleteTenantModel>	

GetAsync()

Declaration

```
public Task<TenantModel> GetAsync()
```

Returns



TYPE	DESCRIPTION
System.Threading.Tasks.Task<TenantModel>	

GetTenantsAsync()

Declaration

```
public Task<UserTenantListModel> GetTenantsAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<UserTenantListModel>	

PostAsync()

Declaration

```
public Task<CreateTenantModel> PostAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<CreateTenantModel>	

UpdateAsync(String, String)

Declaration

```
public Task<TenantModel> UpdateAsync(string tenantId, string tenantName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	tenantId	
System.String	tenantName	

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<TenantModel>	



# Class TenantReadyController

## Inheritance

System.Object

TenantReadyController

Namespace: [Mmm.Iot.TenantManager.WebService.Controllers](#)

Assembly: cs.temp.dll.dll

## Syntax

```
public class TenantReadyController : Controller
```

## Constructors

TenantReadyController(ITenantContainer, ILogger<TenantReadyController>)

## Declaration

```
public TenantReadyController(ITenantContainer tenantContainer, ILogger<TenantReadyController> logger)
```

## Parameters

TYPE	NAME	DESCRIPTION
ITenantContainer	tenantContainer	
ILogger< <a href="#">TenantReadyController</a> >	logger	

## Methods

GetAsync(String)

## Declaration

```
public Task<bool> GetAsync(string tenantId)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.String	tenantId	

## Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task<System.Boolean>	