

DeepDive/Mailing

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

deepdivemailing	7
deepdivemailing.Controllers	7
deepdivemailing.Entities	7
deepdivemailing.Entities.DataTransferObjects	7
deepdivemailing.Service	7
deepdivemailing.Service.Interface	7

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

ControllerBase	
deepdivemailing.Controllers.EmailController	10
deepdivemailing.Entities.DataTransferObjects.EmailAttachmentBinaryBypass	9
deepdivemailing.Entities.DataTransferObjects.EmailModelDto	11
deepdivemailing.Service.Interface.IEmailService	13
deepdivemailing.Service.EmailService	12

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

deepdivemailing.Entities.DataTransferObjects.EmailAttachmentBinaryBypass	
Represents an email attachment, bypassing the usual binary attachment constraints to prevent JSON read critical errors	9
deepdivemailing.Controllers.EmailController	
Controller to handle email sending operations	10
deepdivemailing.Entities.DataTransferObjects.EmailModelDto	
Represents the data needed to send an email	11
deepdivemailing.Service.EmailService	
Provides functionality to send emails using Azure Communication Services	12
deepdivemailing.Service.Interface.IEmailService	
Defines a interface for email services that can send emails	13

Chapter 4

Namespace Documentation

4.1 deepdivemailing Namespace Reference

4.2 deepdivemailing.Controllers Namespace Reference

Classes

- class [EmailController](#)
Controller to handle email sending operations.

4.3 deepdivemailing.Entities Namespace Reference

4.4 deepdivemailing.Entities.DataTransferObjects Namespace Reference

Classes

- class [EmailAttachmentBinaryBypass](#)
Represents an email attachment, bypassing the usual binary attachment constraints to prevent JSON read critical errors.
- class [EmailModelDto](#)
Represents the data needed to send an email.

4.5 deepdivemailing.Service Namespace Reference

Classes

- class [EmailService](#)
Provides functionality to send emails using Azure Communication Services.

4.6 deepdivemailing.Service.Interface Namespace Reference

Classes

- interface [IEmailService](#)
Defines a interface for email services that can send emails.
-

Chapter 5

Class Documentation

5.1 deepdivemailing.Entities.DataTransferObjects.EmailAttachmentBinaryBypass Class Reference

Represents an email attachment, bypassing the usual binary attachment constraints to prevent JSON read critical errors.

Public Member Functions

- [EmailAttachmentBinaryBypass](#) (string fileName, string mediaType, byte[] content)
Initializes a new instance of the EmailAttachmentBinaryBypass class.

Properties

- string **FileName** [get, set]
- string **MediaType** [get, set]
- byte[] **Content** [get, set]

5.1.1 Detailed Description

Represents an email attachment, bypassing the usual binary attachment constraints to prevent JSON read critical errors.

5.1.2 Constructor & Destructor Documentation

5.1.2.1 EmailAttachmentBinaryBypass()

```
deepdivemailing.Entities.DataTransferObjects.EmailAttachmentBinaryBypass.EmailAttachmentBinaryBypass (
    string fileName,
    string mediaType,
    byte[] content ) [inline]
```

Initializes a new instance of the EmailAttachmentBinaryBypass class.

Parameters

<i>fileName</i>	The file name of the attachment.
<i>mediaType</i>	The MIME type of the attachment.
<i>content</i>	The binary content of the attachment.

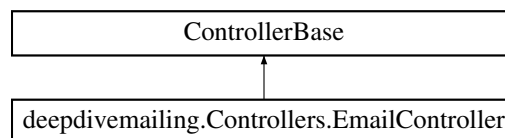
The documentation for this class was generated from the following file:

- Entities/DataTransferObjects/EmailAttachmentBinaryBypass.cs

5.2 deepdivemailing.Controllers.EmailController Class Reference

Controller to handle email sending operations.

Inheritance diagram for deepdivemailing.Controllers.EmailController:

**Public Member Functions**

- [EmailController](#) ([IEmailService](#) emailService)
Constructs an EmailController with a dependency on IEmailService.
- `async Task< IActionResult >` [SendMail](#) ([EmailModelDto](#) input)
Endpoint to send an email based on the provided email model.

5.2.1 Detailed Description

Controller to handle email sending operations.

5.2.2 Constructor & Destructor Documentation

5.2.2.1 EmailController()

```
deepdivemailing.Controllers.EmailController.EmailController (  
    IEmailService emailService ) [inline]
```

Constructs an EmailController with a dependency on IEmailService.

Parameters

<i>emailService</i>	The service to send emails.
---------------------	-----------------------------

5.2.3 Member Function Documentation

5.2.3.1 SendMail()

```
async Task< IActionResult > deepdivemailing.Controllers.EmailController.SendMail (
    EmailModelDto input ) [inline]
```

Endpoint to send an email based on the provided email model.

Parameters

<i>input</i>	The email model containing all necessary information.
--------------	---

Returns

An IActionResult that indicates the result of the send operation.

The documentation for this class was generated from the following file:

- Controllers/EmailController.cs

5.3 deepdivemailing.Entities.DataTransferObjects.EmailModelDto Class Reference

Represents the data needed to send an email.

Properties

- string **Subject** [get, set]
- string **PlainTextContent** [get, set]
- string **HtmlContent** [get, set]
- List< string > **toRecipients** [get, set]
- List< string > **ccRecipients** [get, set]
- List< string > **bccRecipients** [get, set]
- List< [EmailAttachmentBinaryBypass](#) > **Attachments** [get, set]

5.3.1 Detailed Description

Represents the data needed to send an email.

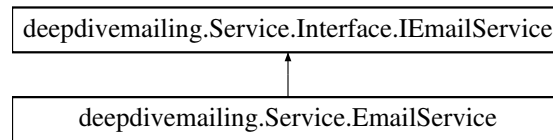
The documentation for this class was generated from the following file:

- Entities/DataTransferObjects/EmailModelDto.cs
-

5.4 deepdivemailing.Service.EmailService Class Reference

Provides functionality to send emails using Azure Communication Services.

Inheritance diagram for deepdivemailing.Service.EmailService:



Public Member Functions

- [EmailService](#) (IConfiguration configuration)
Initializes a new instance of the EmailService with necessary configuration.
- bool [SendMail](#) ([EmailModelDto](#) input)
Sends an email using the provided email model.

5.4.1 Detailed Description

Provides functionality to send emails using Azure Communication Services.

5.4.2 Constructor & Destructor Documentation

5.4.2.1 EmailService()

```
deepdivemailing.Service.EmailService.EmailService (
    IConfiguration configuration ) [inline]
```

Initializes a new instance of the EmailService with necessary configuration.

Parameters

<i>configuration</i>	Application configuration holder
----------------------	----------------------------------

5.4.3 Member Function Documentation

5.4.3.1 SendMail()

```
bool deepdivemailing.Service.EmailService.SendMail (
    EmailModelDto input ) [inline]
```

Sends an email using the provided email model.

Parameters

<i>input</i>	Data transfer object containing email details.
--------------	--

Returns

Boolean indicating success or failure of the email sending operation.

Implements [deepdivemailing.Service.Interface.IEmailService](#).

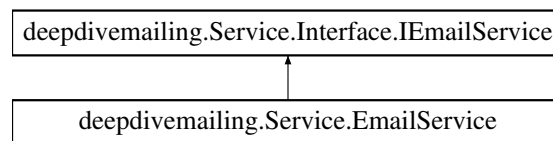
The documentation for this class was generated from the following file:

- Service/EmailService.cs

5.5 deepdivemailing.Service.Interface.IEmailService Interface Reference

Defines a interface for email services that can send emails.

Inheritance diagram for deepdivemailing.Service.Interface.IEmailService:

**Public Member Functions**

- bool [SendMail](#) ([EmailModelDto](#) input)
Sends an email based on the provided email model data.

5.5.1 Detailed Description

Defines a interface for email services that can send emails.

5.5.2 Member Function Documentation

5.5.2.1 SendMail()

```
bool deepdivemailing.Service.Interface.IEmailService.SendMail (  
    EmailModelDto input )
```

Sends an email based on the provided email model data.

Parameters

<i>input</i>	The email model data transfer object containing all necessary information to send an email.
--------------	---

Returns

True if the email was sent successfully, otherwise false.

Implemented in [deepdivemailing.Service.EmailService](#).

The documentation for this interface was generated from the following file:

- Service/Interface/EmailService.cs

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