Namespace Douglas Dwyer. Cas Core

AssemblyBindings(DouglasDwyer.CasCore.AssemblyBinding.html)

(Dilitaria solution Cascore. Names sembly to include in a CasPolicy (DouglasDwyer.CasCore.CasPolicy.html).

Accessibility

Cas Asselfibiy Eoader (Dottgras Dwyer. Cas Core. Cas Assembly Loader. html)

AssemblyBinding
Provides scoped assembly loading with the same semantics as AssemblyLoadContext
(DouglasDwyer.CasCore.AssemblyB
(https://learn.microsoft.com/dotnet/api/system.runtime.loader.assemblyloadcontext). Any assemblies loaded CasAssemblyLoader
with this context will be subject to its CasPolicy (DouglasDwyer.CasCore.CasPolicy.html), and any attempts to (DouglasDwyer.CasCore.CasAsseml access unwhitelisted external fields/methods will throw exceptions.
CasPolicy

(Douglas Dwyer. Cas Core. Cas Policy. I

CasPolicy (DouglasDwyer.CasCore.CasPolicy.html)

(Douglas Dwyer, Cas Core, Cas Policy B Defines a set of whitelisted fields and methods that sandboxed assemblies may access. Cas Policy Builder Extensions

(Douglas Dwyer. Cas Core. Cas Policy B

Cas Politic Builder (Douglas Dwyer. Cas Core. Cas Policy Builder. html)
(Douglas Dwyer. Cas Core. Exception)
Allows for specifying the list of fields and methods that a sandboxed assembly may access. I Cas Violation Handler

(Douglas Dwyer. Cas Core. I Cas Violati

Cas Policy Builder Extensions

(Douglas Dwyer. Cas Core. Cas Folicy Builder Extensions. html)

Provides a set of methods for whitelisting C# standard library members.

ExceptionViolationHandler

(Douglas Dwyer. Cas Core. Exception Violation Handler. html)

Raises a security exception whenever a CAS violation occurs.

TypeBinding (DouglasDwyer.CasCore.TypeBinding.html)

Facilitates selecting particular members of a type to include in a CasPolicy (Douglas Dwyer. Cas Core. Cas Policy. html).

Interfaces

ICasViolationHandler (DouglasDwyer.CasCore.ICasViolationHandler.html)

Event handler that is invoked when an assembly attempts to access a field or method without permission.

Enums

Accessibility (Douglas Dwyer. Cas Core. Accessibility. html)

Identifies a member of subset of members by their external visibility.



DouglasDwyer.CasCore (DouglasDwyer.CasCore.html)

Accessibility

(Douglas Dwyer. Cas Core. Accessibility

AssemblyBinding

(Douglas Dwyer. Cas Core. Assembly B

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy

(Douglas Dwyer. Cas Core. Cas Policy. I

CasPolicyBuilder

(Douglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions

(Douglas Dwyer. Cas Core. Cas Policy B

ExceptionViolationHandler

(Douglas Dwyer. Cas Core. Exception \

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding

(Douglas Dwyer. Cas Core. Type Bindir

Enum Accessibility

Identifies a member of subset of members by their external visibility.

▼ Filter by title

Namespace: DouglasDwyer (DouglasDwyer.html).CasCore (DouglasDwyer.CasCore.html)

As Double las Dowyell. Cas Core

Sy(Daguglas Dwyer. Cas Core. html)

Accessibility

P(DdiglasDwy&r.Cascibili

Assembly Binding

(Douglas Dwyer. Cas Core. Assembly B

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemble Cas Slicy

(Douglas Dwyer. Cas Core. Cas Policy. Pame Description Cas Policy Builder

Nor(Douglas Dwyer. Cas Conte Gais Posling Bnembers.

CasPolicyBuilderExtensions

Private Identifies all rnembers. (Douglas Dwyer. Cas Core. Cas Policy B

ProtextentionViolationHandentifies all public or family members.

(DouglasDwyer.CasCore.Exception\ PublicasViolationHandler Identifies all public members.

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding

(Douglas Dwyer. Cas Core. Type Bindir

Class AssemblyBinding

Facilitates selecting members of an assembly to include in a CasPolicy (DouglasDwyer.CasCore.CasPolicy.html).

▼ Filter by title

Inheritance

L. Doieg (at Ds.) year fast Coreft.com/dotnet/api/system.object) (Douglas Dwyer CasCore.html)

Implements bility

IEnumerable (https://learn.fricrosoft.com/dotnet/api/system.collections.generic.ienumerable-1) < MemberInfo (https://feam.hilcrosoft.com/dotnet/api/system.reflection.memberinfo)>

IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.ienumerable)

CasAssemblyLoader

Inherited Members CasCore CasAssemi

obje在我的影響(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(systemobie (P) puglas Dwyer. Cas Core. Cas Policy. I

object. @bject. (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-

equal Browseless Polyners Cass Rediny B

object:388116848616875Xffttps://fearn.microsoft.com/dotnet/api/system.object.gethashcode)

object.gettype)

object: Reptien de la light de

object. Post in a power in the complete complete

ICasViolationHandler
Namespace: DouglasDwyer (DouglasDwyer.html).CasCore (DouglasDwyer.CasCore.html)
(DouglasDwyer.CasCore.ICasViolati
Assembly: CasCore.dll
TypeBinding

Synta ouglas Dwyer. Cas Core. Type Bindir

public sealed class AssemblyBinding : IEnumerable<MemberInfo>, IEnumerable

Constructors

AssemblyBinding(Assembly, Accessibility)

Creates a new binding that selects all members with the provided visibility in the assembly.

Declaration

public AssemblyBinding(Assembly assembly, Accessibility accessibility)

Туре		Name	Description
Assembly (https://learn.microsoft.com/dotnet/apembly)	ni/system.reflection.ass	assembly	The assembly containing types to include.
Accessibility (Douglas Dwyer. Cas Core. A	ccessibility.html)	accessibility	Which subset of members should be visible.

- DouglasDwyer.CasCore (Douglas Dwyer. Cas Core. html)

Methods

(Douglas Dwyer. Cas Core. Accessibilit

AssemblyBinding

GetEnusinePator()sCore.AssemblyB

CasAssemblyLoader

Returns and leading the collection.

CasPolicy
Declaration
(DouglasDwyer.CasCore.CasPolicy.

CasPolicyBuilder

public Ifnumerator MemberInfo> GetEnumerator()
(DouglasDwyer CasCore CasPolicyB

CasPolicyBuilderExtensions

Returnouglas Dwyer. Cas Core. Cas Policy B

ExceptionViolationHandler Type (DouglasDwyer.CasCore.Exception)	Description
IEnul निकार्थ (elation Handler (http:/// अपनिकार क्षिप्रकार क्षेप्रकार क्षिप्रकार क्षेप्रकार क्षिप्रकार क्षिप्रकार क्षेप्रकार क्षेप्र क्षेप्रकार क्षेप्रकार क्षेप्रकार क्षेप्रकार क्षेप्रकार क्षेप्रक	An enumerator that can be used to iterate through the collection.
MemberInfo (https://learn.microsoft.com/dotnet/api/system.reflection.memberinfo) >	

Implements

IEnumerable < T > (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.ienumerable)

Class CasAssemblyLoader

public class CasAssemblyLoader : VerifiableAssemblyLoader

Syntax

Provides scoped assembly loading with the same semantics as AssemblyLoadContext (h爾ps:沖經a內,前過eosoft.com/dotnet/api/system.runtime.loader.assemblyloadcontext). Any assemblies loaded with this context will be subject to its CasPolicy (DouglasDwyer.CasCore.CasPolicy.html), and any attempts to access unwhitelisted external fields/methods will throw exceptions. - **DouglasDwyer.CasCore** (Douglas Dwyer. Cas Core. html) Inheritance Accessibility L object (https://www.carcicros.aftcesm/diptnet/api/system.object) L Verifiable Assembly Loader POOR AS DWO W. Caster B. Assembly B. Inherited wemble pader (Douglas Dwyer, Cas Core, Cas Assemb Verifiable Assembly Loader. Load From Assembly Name (Assembly Name) (https://learn.microsoft.com/dotnet/api/system.reflection.assemblyname) (Louglas Dwyer. Cas Core. Cas Policy. f Verifiable Assembly Loader. Load From Stream (Stream) (https://learn.microsoft.com/dotnet/api/system.io.stream) Verifiable Assembly Loader Load From Assembly Path (string) (https://learn.microsoft.com/dotnet/api/system.string) (Douglas Dwyer. Cas Core. Cas Policy B Verifiable Assembly Loader Set Profile Optimization Root (string) Caspolicy Builder Extensions (https://learn.microsoft.com/dotnet/api/system.string) Verifiable Assembly Loader Start Profile Optimization (string) (https://learn.microsoft.com/dotnet/api/system.string) Exception Violation Handler Verifiable Assembly Loader Unload() (Douglas Dwyer Cas Core Exception) Verifiable Assembly Loader Load Unmanaged DII From Path (string) I Cas Violation Hangler (https://learn.microsoft.com/dotnet/api/system.string) (DouglasDwyer.CasCore.lCasViolat Verifiable Assembly Loader. Is Collectible Verifiable Assembly Loader Name (Douglas Dwyer Cas Core. Type Bindir Verifiable Assembly Loader . Resolving VerifiableAssemblyLoader.ResolvingUnmanagedDll VerifiableAssemblyLoader.Unloading object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(systemobject)) object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-objectequals(system-object-system-object)) object.GetHashCode() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode) object.GetType() (https://learn.microsoft.com/dotnet/api/system.object.gettype) object.MemberwiseClone() (https://learn.microsoft.com/dotnet/api/system.object.memberwiseclone) object.ReferenceEquals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals) object.ToString() (https://learn.microsoft.com/dotnet/api/system.object.tostring) Namespace: DouglasDwyer (DouglasDwyer.html).CasCore (DouglasDwyer.CasCore.html) Assembly: CasCore.dll

6 / 37

Constructors

CasAssemblyLoader(CasPolicy)

Creates a new loader with the given policy.

Declaration

DouglasDwyer.CasCore public CasAssemblyLoader(CasPolicy policy) (DouglasDwyer.CasCore.html)

Accessibility
Parameters
(DouglasDwyer.CasCore.Accessibility)

Typé ssemblyBinding	Name	Description
(Douglas Dwyer. Cas Core. Assembly B Cas Policy Cas Assembly Loader (Douglas Dwyer. Cas Core. Cas Policy. html) (Douglas Dwyer. Cas Core. Cas Assem)	policy	The policy that will apply to any assemblies created with this loader.

CasPolicy

(Douglas Dwyer. Cas Core. Cas Policy. I

CasAssein/BlyLoader(CasPolicy, bool)

(Douglas Dwyer. Cas Core. Cas Policy B Creates and rew boarder exit high given policy.

Declaration (Douglas Dwyer. Cas Core. Cas Policy B

ExceptionViolationHandler

(DouglasDwyer.CasCore.Exception\public CasAssemblyLoader(CasPolicy policy, bool isCollectible) | ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati

Parary (New Pinding

(Douglas Dwyer. Cas Core. Type Bindir Type	Name	Description
CasPolicy (DouglasDwyer.CasCore.CasPolicy.html)	policy	The policy that will apply to any assemblies created with this loader.
bool (https://learn.microsoft.com/dotnet/api/syste m.boolean)	isCollectible	Whether this context should be able to unload.

CasAssemblyLoader(CasPolicy, string, bool)

Creates a new loader with the given policy.

Declaration

public CasAssemblyLoader(CasPolicy policy, string name, bool isCollectible)

Туре	Name	Description
CasPolicy (DouglasDwyer.CasCore.CasPolicy.html)	policy	The policy that will apply to any assemblies created with this loader.
string (https://learn.microsoft.com/dotnet/api/system.string)	name	The display name of the load context.
-bDouglasDwyer.CasCore (https://dearbwyer.CasCore.Htm/pi/syste m.boolean) Accessibility	isCollectible	Whether this context should be able to unload.

(Douglas Dwyer. Cas Core. Accessibility

AssemblyBinding

(Douglas Dwyer. Cas Core. Assembly B

Propertiesoader

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy

Violation Handler CasPolicy.

CasPolicyBuilder.
The handler that will be invoked whenever a sandboxed assembly accesses a field/method without permission. By (DouglasDwyer CasCore CasPolicyBuilder (DouglasDwyer.CasCore.ExceptionViolationHandler.html) that will casPolicyBuilderExtensions throw an exception.

(Douglas Dwyer. Cas Core. Cas Policy B

DeclarationionViolationHandler

(Douglas Dwyer. Cas Core. Exception \

plasidioletiso Handler ViolationHandler { get; set; }

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding

Property Value wyer.CasCore.TypeBindir

Туре		Description
ICasViolationHandler (DouglasDwyer.Ca	as Core. I Cas Violation Handler. html)	

Methods

InstrumentAssembly(AssemblyDefinition)

Adds verification guards to all methods in the assembly. The first time that any method is invoked, it will call the verifier on itself.

Declaration

protected override void InstrumentAssembly(AssemblyDefinition assembly)

Туре	Name	Description
AssemblyDefinition (https://github.com/jbevain/cecil/blob/5de7d8cbc91f6fd98dcc24b26b8c398db 497809c/Mono.Cecil/AssemblyDefinition.cs)	assembly	The assembly to instrument.

Overrides

VerifiableAssemblyLoader.InstrumentAssembly(AssemblyDefinition)

thtpauglasDwyer/CasCorecil/blob/5de7d8cbc91f6fd98dcc24b26b8c398db497809c/Mono.Cecil/AssemblyDefi nit(Douglas Dwyer. Cas Core. html)

Accessibility

Load (Assembly Name) Assembly Binding

Whet Pouglas Deny in Gate we Assembly Name assembly to be resolved based on its Assembly Name (https://www.reflection.assemblyname).

(Douglas Dwyer, Cas Core, Cas Assembly

Declaration CV

(Douglas Dwyer. Cas Core. Cas Policy. I

(Douglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions Parameters

(DouglasDwyer CasCore CasPolicyB

Type xceptionViolationHandler		Name	Description
(Douglas Dwyer. Cas Core. Exception \ Assembly Name ICas Violation Handler (https://learn.microsoft.com/dotnet/api/ Douglas Dwyer. Cas Core. I Cas Violati n.assembly name Type Binding	/system.reflectio	assemblyName	The object that describes the assembly to be resolved.

(Douglas Dwyer. Cas Core. Type Bindir Returns

Туре		Description
Assembly (https://learn.microsoft.com/	dotnet/api/system.reflection.assembly)	The resolved assembly, or null.

Overrides

VerifiableAssemblyLoader.Load(AssemblyName)

(https://learn.microsoft.com/dotnet/api/system.reflection.assemblyname)

LoadFromStream(Stream, Stream?)

Loads the assembly with a common object file format (COFF)-based image containing a managed assembly, optionally including symbols for the assembly.

Declaration

public override Assembly LoadFromStream(Stream assembly, Stream? assemblySymbols)

Туре	Name	Description
Stream (https://learn.microsoft.com/dotnet/ap i/system.io.stream)	assembly	A byte array that is a COFF-based image containing a managed assembly.
Syeam (https://learn.microsoft.com/dotnet/api/system.io.stream)	assemblySymbols	A byte array that contains the raw bytes representing the symbols for the assembly.

Douglas Dwyer. Cas Core

Returns (Douglas Dwyer. Cas Core. html)

Type Accessibility (Douglas Dwyer. Cas Core. Accessibility	Description
	The loaded assembly.

(Douglas Dwyer. Cas Core. Assembly B

Overries ssembly Loader

Verifiable Assembly Loader. Load From Stream (Stream, Stream)

(https://learn.microsoft.com/dotnet/api/system.io.stream) (Douglas Dwyer. Cas Core. Cas Policy. h

CasPolicyBuilder

Load Uninawaged Off(string) yB

CasPolicyBuilderExtensions

Allowp வெர்கு மிழ்க்க குடிக்கு வெருக்கு விருக்கு விருக்க

ExceptionViolationHandler
Declaration
(DouglasDwyer.CasCore.Exception\

ICasViolationHandler
protected override nint LoadUnmanagedDll(string unmanagedDllName)
(DouglasDwyer.CasCore.ICasViolati

TypeBinding

Para Para Para Bas Dwyer. Cas Core. Type Bindir

Туре	Name	Description
string (https://learn.microsoft.com/dotn et/api/system.string)	unmanagedDllName	Name of the unmanaged library. Typically this is the filename without its path or extensions.

Returns

Туре	Description	
nint (https://learn.microsoft.com/dotnet/api/ system.intptr)	A handle to the loaded library, or Zero (https://learn.microsoft.com/dotnet/api/system.intptr.zero).	

Overrides

VerifiableAssemblyLoader.LoadUnmanagedDll(string) (https://learn.microsoft.com/dotnet/api/system.string)

₹

DouglasDwyer.CasCore (DouglasDwyer.CasCore.html)

Accessibility (Douglas Dwyer. Cas Core. Accessibility AssemblyBinding (Douglas Dwyer. Cas Core. Assembly B CasAssemblyLoader (Douglas Dwyer. Cas Core. Cas Assemb CasPolicy (Douglas Dwyer. Cas Core. Cas Policy. h CasPolicyBuilder (Douglas Dwyer. Cas Core. Cas Policy B CasPolicyBuilderExtensions (Douglas Dwyer. Cas Core. Cas Policy B ExceptionViolationHandler (Douglas Dwyer. Cas Core. Exception \ **ICasViolationHandler** (Douglas Dwyer. Cas Core. I Cas Violati

(Douglas Dwyer. Cas Core. Type Bindir

TypeBinding

Class CasPolicy

Defines a set of whitelisted fields and methods that sandboxed assemblies may access.

▼ Filter by title

Inheritance

T, Object (Int. Ds. Mear Lancios of t. com/dotnet/api/system.object) (Douglas Dwyer. Cas Core. html)

Inherted 90 embers

(Douglas Dwyer. Cas Core. Accessibili object. Equals (object) (https://learn.microsoft.com/dotnet/api/system.object.equals #system-object-equals (system-Assembly Binding) object))
(DouglasDwyer.CasCore.AssemblyB
object.Equals(object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-CasAssemblyLoader

equals (system-object-system-object)) (Douglas Dwyer. Cas Core. Cas Assemi object Get Hash Code() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)

object Get Type() (https://learn.microsoft.com/dotnet/api/system.object.gettype) (Douglas Dwyer. Cas Core. Cas Policy.) object Reference Equals (object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals) cas Policy Builder

object ToString() (https://learn.microsoff.com/dotnet/api/system.object.tostring) (Douglas Wyer. Cas Core. Cas Policy B

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Assembougate war.CasCore.CasPolicyB

Syntax Exception Violation Handler

(DouglasDwyer.CasCore.Exception\

lCasViolationHandler public sealed class CasPolicy (DouglasDwyer.CasCore.lCasViolati

TypeBinding

(Douglas Dwyer. Cas Core. Type Bindir

Class CasPolicyBuilder

Allows for specifying the list of fields and methods that a sandboxed assembly may access.

▼ Filter by title

Inheritance

T, Object (Int. Ds. Mear Lancios of t. com/dotnet/api/system.object)

(Douglas Dwyer.CasCore.html)

Inherted 90 embers

(Douglas Dwyer. Cas Core. Accessibili object. Equals (object) (https://learn.microsoft.com/dotnet/api/system.object.equals #system-object-equals (system-Assembly Binding)

object) object) object. CasCore. Assembly Bobject. Equals (object, object) (https://learn.microsoft.com/dotnet/api/system.object.equals #system-object-object.equals #system-object-object-object.equals #system-object-ob

object Get Hash Code() (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)

object Get Type() (https://learn.microsoft.com/dotnet/api/system.object.gettype) (Douglas Dwyer. Cas Policy.) object Reference Equals (object, object) (https://learn.microsoft.com/dotnet/api/system.object.referenceequals) cas Policy Builder

object ToString() (https://learn.microsoff.com/dotnet/api/system.object.tostring) (Douglas Bwyer. Cas Core. Cas Policy B

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Assembougate war.CasCore.CasPolicyB

Syntax Exception Violation Handler

(DouglasDwyer.CasCore.Exception\

| ICasViolationHandler | public sealed class CasPolicyBuilder | (DouglasDwyer.CasCore.ICasViolati

TypeBinding

(Douglas Dwyer, Cas Core, Type Bindir

Constructors

CasPolicyBuilder()

Creates a new policy builder. By default, all access to external APIs is denied.

Declaration

public CasPolicyBuilder()

Methods

Allow(IEnumerable < MemberInfo >)

Allows the given set of members to be accessed by sandboxed assemblies.

Declaration

Parameters

Type ▼	Name	Description
Enumerable	members	The members to
(https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) - Douglas Dwyer. Cas Core		allow.
(Douglas Dwyer. Cas Core. html)		
(https://dssaibilityicrosoft.com/dotnet/api/system.reflection.memberinfo)		
> (Douglas Dwyer. Cas Core. Accessibility		
Accombly Dinding		

AssemblyBinding

Returns uglas Dwyer. Cas Core. Assembly B

Cas Assembly Loader Type (Douglas Dwyer. Cas Core. Cas Assembly)	Description
Cas Pan Pyblig Mder	This builder, with the additional members
(Dolgasdas/ewgasCare.etts/care/gbig/der.html)	added.
CasPolicyBuilder	

(Douglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions

Allow (Mamber Laso) re. Cas Policy B

ExceptionViolationHandler
Allows the given member to be accessed by sandboxed assemblies.
(DouglasDwyer.CasCore.ExceptionV

Decla Cati Virolation Handler

(Douglas Dwyer. Cas Core. I Cas Violati

public Birding Slicy Builder Allow (Member Info member)

(Douglas Dwyer. Cas Core. Type Bindir

Parameters

Туре		Name	Description
MemberInfo		member	The member to
(https://learn.microsoft.com/dotnet/ap	i/system.reflection.memberinfo)		allow.

Returns

Туре		Description
CasPolicyBuilder		This builder, with the additional member
(Douglas Dwyer. Cas Core. Cas Policy Build	ler.html)	added.

Build()

Bakes the list of accessible members into a CasPolicy (DouglasDwyer.CasCore.CasPolicy.html) that may be used to instantiate assemblies.

Declaration

Returns

T <u>y</u> pe		Description
CasPolicy (DouglasDwyer.CasCore.CasF	olicy.html)	The policy that was generated.

- Douglas Dwyer. Cas Core

(Douglas Dwyer. Cas Core. html)

Deny([Enumerable < Member Info >)

Prevents the given members from being accessed by sandboxed assemblies.

AssemblyBinding

Declaration as Dwyer. CasCore. Assembly B

CasAssemblyLoader

p(DoiglasDry/ercyssGottecasAsyettHnumerable<MemberInfo> members)

CasPolicy

(Douglas Dwyer. Cas Core. Cas Policy. I

Parameters CasPolicyBuilder

casi olicy ballaci			
Typ@ouglasDwyer.CasCore.CasPolicyB		Name	Description
	i/system.collections.generic.ienumerable-1)	members	The members to deny.
(Douglas Dwyer. Cas Core. Exception \ Member Info			

(Douglas Dwyer. Cas Core. Type Bindir

Returns

Туре	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	This builder, with any relevant members removed if they were present.

Deny(MemberInfo)

Prevents the given member from being accessed by sandboxed assemblies.

Declaration

public CasPolicyBuilder Deny(MemberInfo member)

Туре		Name	Description
MemberInfo		member	The member to
(https://learn.microsoft.com/dotnet/api	/system.reflection.memberinfo)		deny.

Returns

Туре	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	This builder, with the member removed if it was present.



Extension Methods

- Douglas Dwyer. Cas Core
Cas Policy Builder Extensions With Default Sandbox (Cas Policy Builder)
(Douglas Dwyer. Cas Core. htm)
(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html # Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. Wit hDefaGftSsrieilibk_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPUREVBUREPRESSORS: WASSASSIBILITY CasPolicyBuilder)

(Doud Fast DWW P. icos I con Cas Policy Builder Extensions. html #Douglas Dwyer_Cas Core_Cas Policy Builder Extensions_Wit hSandboudard Myrrerer effected spoulded Dwyer CasCore CasPolicy Builder)

CasP6RefB6ff00effvkeersfrons.WithSandboxedSystem(CasPolicyBuilder)

(Doughastawast. Cascore Caspolicy Builder Extensions. html #Douglas Dwyer Cascore Caspolicy Builder Extensions Wit hSandBSRedSystem_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPUR WBLARD WEAR STORY WITH SPANION of CasPolicy Builder)

(Dough&DWyer.edderecasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_Wit hSan(1984) ASP STANTIC OF FEOR FOR STANTING POLICY BUILDER)

CasP6#8PBlindByElserFxtensionsSandboxedSystemCollectionsConcurrent(CasPolicyBuilder)

(Doughastaling) CasCore_CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_Wit hSanErsSexeiosystelationIblationIsConcurrent DouglasDwyer CasCore CasPolicyBuilder)

CasPGREVISIATERS CASPOlicyBuilder)

(Doublas bin letional despectas Policy Builder Extensions. html #Douglas Dwyer_Cas Core_Cas Policy Builder Extensions_Wit hSan(1984) ASAN (Care-Islan) Installed Douglas Dwyer_CasCore_CasPolicy Builder_)

CasPoyie អ៊ីហ៊ីម៉េម៉ិExtensions. With Sandboxed System Collections Non Generic (CasPolicy Builder)

(Doughas Dwyer_CasCore_CasPolicyBuilder Extensions.html#Douglas Dwyer_CasCore_CasPolicyBuilder Extensions_Wit hSandboxedSystemCollectionsNonGeneric_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemCollectionsSpecialized(CasPolicyBuilder)

(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html #Douglas Dwyer_Cas Core_Cas Policy Builder Extensions_Wit hSandboxedSystemCollectionsSpecialized_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilder Extensions. With Sandboxed System Component Model Type Converter (CasPolicy Builder)

(DouglasDwyer.CasCore.CasPolicyBuilderExtensions.html#DouglasDwyer CasCore CasPolicyBuilderExtensions Wit hSandboxedSystemComponentModelTypeConverter_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemConsole(CasPolicyBuilder)

(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html #Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. Wit hSandboxedSystemConsole_DouglasDwyer_CasCore_CasPolicyBuilder_)

Cas Policy Builder Extensions. With Sandboxed System Diagnostics Diagnostic Source (Cas Policy Builder)

(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html #Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. Wit hSandboxedSystemDiagnosticSDiagnosticSource_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemLinq(CasPolicyBuilder)

 $(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html \#Douglas Dwyer_ Cas Core_ Cas Policy Builder Extensions_ With the property of the property of$ hSandboxedSystemLing_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemLingExpressions(CasPolicyBuilder)

(DouglasDwyer.CasCore.CasPolicyBuilderExtensions.html#DouglasDwyer CasCore CasPolicyBuilderExtensions Wit hSandboxedSystemLingExpressions_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemLingParallel(CasPolicyBuilder)

(DouglasDwyer.CasCore.CasPolicyBuilderExtensions.html#DouglasDwyer CasCore CasPolicyBuilderExtensions Wit hSandboxedSystemLingParallel_DouglasDwyer_CasCore_CasPolicyBuilder_)

Cas Policy Builder Extensions. With Sandboxed System Ling Queryable (Cas Policy Builder)

(DouglasDwyer.CasCore.CasPolicyBuilderExtensions.html#DouglasDwyer CasCore CasPolicyBuilderExtensions Wit hSandboxedSystemLinqQueryable_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemObjectModel(CasPolicyBuilder)

(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html #Douglas Dwyer_Cas Core_Cas Policy Builder Extensions Wit

hSprotoglasDwyer_CasCore_CasPolicyBuilder_)

Cas Policy Builder Extensions (Cas Policy Builder)

(DouglasDwyer.CasCore.CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_With Accessibility hSandboxedSystemReflectionTypeExtensions_DouglasDwyer_CasCore_CasPolicyBuilder_) (DouglasDwyer.CasCore_Accessibility CasPolicyBuilderExtensions.WithSandboxedSystemRuntimeNumerics(CasPolicyBuilder) AssemblyBinding (DouglasDwyer.CasCore.CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_WithSandboxedSystemRuntimeNumerics_DouglasDwyer_CasCore_CasPolicyBuilderExtensions_WithSandboxedSystemRuntimeNumerics_DouglasDwyer_CasCore_CasPolicyBuilder_) (CasAssemblyLoader

(DouglasDwyer_CasCore_AssémblyB hSandboxedSystemRuntimeNumerics_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemRuntimeSerializationFormatters(CasPolicyBuilder)

(DouglasDwyer_CasCore_CasAssem!

(DouglasDwyer_CasCore_CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_WithSandboxedSystemRuntimeSerializationFormatters_DouglasDwyer_CasCore_CasPolicyBuilder_)

(DouglasDwyer_CasCore_CasPolicy BuilderExtensions.WithSandboxedSystemTextJson(CasPolicyBuilder)

(CasPolicyBuilderExtensions.WithSandboxedSystemTextJson(CasPolicyBuilder)

(DouglasDwyer_CasCore_CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_WithSandboxedSystemTextRegularExpressions(CasPolicyBuilder)

CasPolicyBuilderExtensions.WithSandboxedSystemTextRegularExpressions(CasPolicyBuilder)

(DouglasDwyer_CasCore_CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_WithSandboxedSystemTextRegularExpressions(CasPolicyBuilderExtensions_WithSandboxedSystemThreading(CasPolicyBuilder)

(CasPolicyBuilderExtensions.WithSandboxedSystemThreading(CasPolicyBuilder)

(CasPolicyBuilderExtensions.WithSandboxedSystemThreading(CasPolicyBuilder)

(DouglasDwyer_CasCore_CasPolicyBuilderExtensions.html#DouglasDwyer_CasCore_CasPolicyBuilderExtensions_WithSandboxedSystemThreading(CasPolicyBuilder)

(CasPolicyBuilderExtensions.WithSandboxedSystemThreadingChannels(CasPolicyBuilder)

(CasPolicyBuilderExtensions.WithSandboxedSystemThreadingChannels(CasPolicyBuilder)

TypeBinding CasPolicyBuilderExtensions.WithSandboxedSystemThreadingChannels(CasPolicyBuilder)

(DouglasDwyer CasCore TypeBindir (DouglasDwyer CasCore CasPolicyBuilderExtensions_Wit hSandboxedSystemThreadingChannels_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemThreadingTasksDataflow(CasPolicyBuilder)

(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html #Douglas Dwyer_Cas Core_Cas Policy Builder Extensions_Wit hSandboxedSystemThreadingTasksDataflow_DouglasDwyer_CasCore_CasPolicyBuilder_)

CasPolicyBuilderExtensions.WithSandboxedSystemThreadingTasksParallel(CasPolicyBuilder)

(Douglas Dwyer. Cas Core. Cas Policy Builder Extensions. html #Douglas Dwyer_Cas Core_Cas Policy Builder Extensions_Wit hSandboxedSystemThreadingTasksParallel_DouglasDwyer_CasCore_CasPolicyBuilder_)

Class CasPolicyBuilderExtensions

Provides a set of methods for whitelisting C# standard library members.

▼ Filter by title

Inheritance

I, Douglas Dwyer Cas Coreft.com/dotnet/api/system.object)
(Douglas Dwyer Cas Core.html)

```
Inherted 90 embers
```

```
(DouglasDwyer.CasCore.Accessibility object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(system-object.Equals(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-object-equals#system-obj
```

```
Assertisce ptiocolficiantion Handler
```

```
Syntax
(DouglasDwyer.CasCore.Exception\
ICasViolationHandler
(DouglasDwyer.CasCore.ICasViolati
public static class CasPolicyBuilderExtensions
TypeBinding
(DouglasDwyer.CasCore.TypeBindir
```

Methods

WithDefaultSandbox(CasPolicyBuilder)

Adds a safe subset of the C# standard library to the policy. The aim of this method is to provide a sensible default whitelist that ensures any loaded assemblies cannot gain access to the host system. Specifically, the following APIs are excluded from this whitelist:

- Cause undefined behavior
- Access the filesystem
- Access the network
- Access other OS-specific resources (such as processes or pipes)
- Allow for loading other code without verification (such as System.Reflection.Emit)

Declaration

public static CasPolicyBuilder WithDefaultSandbox(this CasPolicyBuilder builder)

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Returns

Type - DouglasDwyer.CasCore	Description
Cepolige Builder, Percals Corres Lass Policy Builder. html)	The modified builder.

Accessibility

(Douglas Dwyer. Cas Core. Accessibility

With Sand Boxled Runtime Reflection (Cas Policy Builder)

(Douglas Dwyer. Cas Core. Assembly B

Adds all Aste members from the runtime reflection system, such as System. Runtime Type.

Declaration
CasPolicy

(DouglasDwyer.CasCore.CasPolicy.rpublic.static CasPolicyBuilder WithSandboxedRuntimeReflection(this CasPolicyBuilder builder) CasPolicyBuilder

(Douglas Dwyer. Cas Core. Cas Policy B

Para meteosicy Builder Extensions

(Douglas Dwyer. Cas Core. Cas Policy B Type Exception Violation Handler	Name	Description
Cas PolicyBasilderyer.CasCore.Exception\	builder	The builder to which members should be
(Dollandinational and the Caspolicy Builder.html)		added.

(Douglas Dwyer. Cas Core. I Cas Violati

ReturnseBinding

(Douglas Dwyer. Cas Core. Type Bindir Type	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystem(CasPolicyBuilder)

Adds all safe members from the CoreLib assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystem(this CasPolicyBuilder builder)

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Returns

Туре	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	The modified builder.

W#thSandboxedSystemCollections(CasPolicyBuilder)

Adds all safe members from the System.Collections assembly.

- Douglas Dwyer. Cas Core

Declaration (Douglas Dwyer. Cas Core. html)

Accessibility public static CasPolicyBuilder WithSandboxedSystemCollections(this CasPolicyBuilder builder) (DouglasDwyer.CasCore.Accessibility

AssemblyBinding

Parameters as Dwyer. Cas Core. Assembly B

(Douglass Wyencuscones assembly 5		
TypeasAssemblyLoader (DouglasDwyer.CasCore.CasAssembleasDwyer.CasCore.CasCore.CasAssembleasDwyer.CasCore.CasAssembleasDwyer.CasCore.C	Name	Description
Cas Polipy Bivilder	builder	The builder to which members should be
(Douglasglusgwyges.Case.Gas.Palipyskijgler.html)		added.

CasPolicyBuilder

Returbouglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions Type (DouglasDwyer.CasCore.CasPolicyB	Description
	The modified builder.

(Douglas Dwyer. Cas Core. Exception \

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati
With Sandboxed System Collections Concurrent (Cas Policy Builder)

Adds an safe members from the System. Collections. Concurrent assembly.

Declaration

public static CasPolicyBuilder withSandboxedSystemCollectionsConcurrent(this CasPolicyBuilde r builder)

Parameters

Туре	Name	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	builder	The builder to which members should be added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemCollectionsImmutable(CasPolicyBuilder)

Adds all safe members from the System.Collections.Immutable assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemCollectionsImmutable(this CasPolicyBuilder builder)



Parameters

- DouglasDwyer.CasCore Type (DouglasDwyer.CasCore.html)	Name	Description
Cas Policy Builder (Douglas Dwyer, Cas Core Cas Policy Builder.html) (Bouglas Dwyer, Cas Core Access ibili	builder	The builder to which members should be added.

Assembly Binding

Return Suglas Dwyer. Cas Core. Assembly B

TypeasAssemblyLoader (DouglasDivier CosCoro CosAssem	Description
(DouglasDwyer.CasCore.CasAssem CasPalipyRuilder (DouglasDwyer.CasCo	The modified builder.

(Douglas Dwyer. Cas Core. Cas Policy. I

CasPolicyBuilder

With Sandboxed System Collections Non Generic (Cas Policy Builder) Cas Policy Builder Extensions

Adds apugles heyerers from the Bylitter. Collections. NonGeneric assembly.

ExceptionViolationHandler

Declaration (Douglas Dwyer. Cas Core. Exception)

ICasViolationHandler

pubdiglatativer@இவ்படுக்குப்படுகள் rTbbeBlading

(DouglasDwyer.CasCore.TypeBindir

Parameters

Туре	Name	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	builder	The builder to which members should be added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

With Sandboxed System Collections Specialized (Cas Policy Builder)

Adds all safe members from the System.Collections.Specialized assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemCollectionsSpecialized(this CasPolicyBuild er builder)

Parameters

Type	Name	Description
CasPolicyBuilder - Douglas Dwyer Cas Core - (Douglas Dwyer Cas Core Cas Policy Builder . html) - (Douglas Dwyer Cas Core . html)	builder	The builder to which members should be added.

RetuAssessibility

(DouglasDwyer.CasCore.Accessibilit Type AssemblyBinding	Description
	The modified builder.

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy

With Sandboxed System Component Model Type Converter (Cas Policy Builder)

CasPolicyBuilder
Adds all safe members from the System.ComponentModel.TypeConverter assembly.
(DouglasDwyer.CasCore.CasPolicyB

DeclaratPohicyBuilderExtensions

(Douglas Dwyer. Cas Core. Cas Policy B

pENGENTION WithSandboxedSystemComponentModelTypeConverter(this CasPolicy B(12040) AsD Myden GasCore. Exception

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati

Parameters Type Binding

Typ ⊕ Douglas Dwyer. Cas Core. Type Bindir		Name	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuild	er.html)	builder	The builder to which members should be added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

With Sandboxed System Console (Cas Policy Builder)

Adds all safe members from the System.Console assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemConsole(this CasPolicyBuilder builder)

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Retur	ns
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Туре		Description
-C D-BolglasDory & Oasl Core yer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

(Douglas Dwyer. Cas Core. html)

Accessibility

With Sandboxed System Diagnostic Source (Cas Policy Builder)

AssemblyBinding

Adds all safes members from these system. Diagnostics. Diagnostic Source assembly.

Declaration CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy
public static CasPolicyBuilder WithSandboxedSystemDiagnosticsDiagnosticSource(this CasPolicy (DouglasDwyer.CasCore.CasPolicy.r Builder builder)
CasPolicyBuilder

(Douglas Dwyer. Cas Core. Cas Policy B

Para mæsteosicy Builder Extensions

Type (Douglas Dwyer. Cas Core. Cas Policy B Exception Violation Handler	Name	Description
Cas Policy Buildaryer.CasCore.Exception\		The builder to which members should be
(Dolga Monaya Cas Cas Policy Builde	er.html)	added.

(Douglas Dwyer. Cas Core. I Cas Violati

Return peBinding

(Douglas Dwyer. Cas Core. Type Bindir Type	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemLinq(CasPolicyBuilder)

Adds all safe members from the System.Ling assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemLinq(this CasPolicyBuilder builder)

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Returns

Туре	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemLinqExpressions(CasPolicyBuilder)

Adds all safe members from the System.Linq.Expressions assembly.

- Douglas Dwyer. Cas Core

Declaration (Douglas Dwyer. Cas Core. html)

Accessibility public static CasPolicyBuilder WithSandboxedSystemLinqExpressions(this CasPolicyBuilder builder ouglasDwyer.CasCore.Accessibility builder builder ouglasDwyer.CasCore.Accessibility bui

AssemblyBinding

(Douglas Dwyer. Cas Core. Assembly B

Parameters embly Loader

Type Douglas Dwyer. Cas Core. Cas Assemble Cas Policy	Name	Description
Casrolley Casrolley Casrolley (Douglas Dwygr Has Core. Cas Policy Builder. html)	builder	The builder to which members should be added.

(Douglas Dwyer. Cas Core. Cas Policy B

Retuctors Policy Builder Extensions

Type (Douglas Dwyer. Cas Core. Cas Policy B Exception Violation Handler	Description
·	The modified builder.

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding WithSandboxedSystemLingParallel(CasPolicyBuilder) (DouglasDwyer.CasCore.lypeBindir

Adds all safe members from the System.Linq.Parallel assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemLinqParallel(this CasPolicyBuilder builde
r)

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. htr	nl)	added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemLingQueryable(CasPolicyBuilder)

Adds all safe members from the .System.Linq.Queryable assembly.

Declaration

▼public static CasPolicyBuilder WithSandboxedSystemLinqQueryable(this CasPolicyBuilder builder)

- Douglas Dwyer. Cas Core

Pa(Douglas Dwyer. Cas Core. html)

Typ Accessibility	Name	Description
Cas Douglas Dwyer. Cas Core. Accessibili	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html) (Douglas Dwyer. Cas Core. Assembly B		added.

CasAssemblyLoader

Returns (Douglas Dwyer. Cas Core. Cas Assemble)

Typ€ asPolicy	Description
(Douglas Dwyer. Cas Core. Cas Policy. I Cas Policy Builder (Douglas Dwyer. Cas Core. Cas Policy Builder. html) Cas Policy Builder	The modified builder.

(Douglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions

With Sand Doxed System Object Model (Cas Policy Builder)

ExceptionViolationHandler

Adds of safes people assembly. Object Model assembly.

Declaration Handler

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding

public static CasPolicyBuilder WithSandboxedSystemObjectModel(this CasPolicyBuilder builder) (DouglasDwyer.CasCore.TypeBindir

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemReflectionTypeExtensions(CasPolicyBuilder)

Adds all safe members from the System.Reflection.TypeExtensions assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemReflectionTypeExtensions(this CasPolicyBuilder builder)

Parameters

Type	Name	Description
CasPolicyBuilder - DouglasDwyer.CasCore - (DouglasDwyer.CasCore.CasPolicyBuilder.html) - (DouglasDwyer.CasCore.html)	builder	The builder to which members should be added.

RetuAssessibility

(Douglas Dwyer. Cas Core. Accessibility Type Assembly Binding	Description
	The modified builder.

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy

With Sandboxed System Buntime Numerics (Cas Policy Builder)

CasPolicyBuilder
Adds all safe members from the System.Runtime.Numerics assembly.
(DouglasDwyer.CasCore.CasPolicyB

DeclarastPorticyBuilderExtensions

(Douglas Dwyer. Cas Core. Cas Policy B

ption viller with Sandboxed System Runtime Numerics (this Caspolicy Builder buil d pouglas Dwyer. Cas Core. Exception virlage of the sandboxed System Runtime Numerics (this Caspolicy Builder builder

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati

Parameters Type Binding

Typ € Douglas Dwyer. Cas Core. Type Bindir		Name	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuild	er.html)	builder	The builder to which members should be added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemRuntimeSerializationFormatters(CasPolicyBuilder)

Adds all safe members from the System.Runtime.SerializationFormatters assembly.

Declaration

public static CasPolicyBuilder builder bu

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Re <u>t</u> urn	S
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Туре		Description
-C D:BolglasDory&P.CaslCore yer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

(Douglas Dwyer. Cas Core. html)

Accessibility

With Sandboxed System Text I son (Cas Policy Builder)

AssemblyBinding

Adds all safes perpetes from the says to Text. Ison assembly.

Declaration

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy
public static CasPolicyBuilder WithSandboxedSystemTextJson(this CasPolicyBuilder builder)
(DouglasDwyer.CasCore.CasPolicy.r

CasPolicyBuilder

Parameters as Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions Type (DouglasDwyer.CasCore.CasPolicyB	Name	Description
Cas Estiep Bioild/éplation Handler		The builder to which members should be
(DolgaspaseweasCase.ossEstiepBioinde	er.html)	added.

ICasViolationHandler

Returns Dwyer. Cas Core. I Cas Violati

TypeBinding TypeBindir (DouglasDwyer.CasCore.TypeBindir	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemTextRegularExpressions(CasPolicyBuilder)

Adds all safe members from the System.Text.RegularExpressions assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemTextRegularExpressions(this CasPolicyBuild er builder)

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builder. html)		added.

Returns

Туре	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder.html)	The modified builder.

W#thSandboxedSystemThreading(CasPolicyBuilder)

Adds all safe members from the System. Threading assembly.

- Douglas Dwyer. Cas Core

Declaration (Douglas Dwyer. Cas Core. html)

Accessibility public static CasPolicyBuilder WithSandboxedSystemThreading(this CasPolicyBuilder builder) (DouglasDwyer.CasCore.Accessibili

AssemblyBinding

Paranters as Dwyer. Cas Core. Assembly B

Type as Assembly Loader	Name	Description
(Douglas Dwyer. Cas Core. Cas Asseml Cas இத்து நூர்ப் der	builder	The builder to which members should be
(Doyglasglasgewyar.Case.Gas.Palipysheilder.htm	ml)	added.

CasPolicyBuilder

Returbouglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions Type (DouglasDwyer.CasCore.CasPolicyB	Description
	The modified builder.

(Douglas Dwyer. Cas Core. Exception \

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati With Sandboxed System Threading Channels (Cas Policy Builder)

Adds an safe members from the System. Threading. Channels assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemThreadingChannels(this CasPolicyBuilder bu
ilder)

Parameters

Туре	Name	Description
CasPolicyBuilder (DouglasDwyer.CasCore.CasPolicyBuilder		The builder to which members should be added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

WithSandboxedSystemThreadingTasksDataflow(CasPolicyBuilder)

Adds all safe members from the System. Threading. Tasks. Dataflow assembly.

Declaration

public static CasPolicyBuilder WithSandboxedSystemThreadingTasksDataflow(this CasPolicyBuild er builder)



Parameters

- DouglasDwyer.CasCore Type (DouglasDwyer.CasCore.html)	Name	Description
Cas Policy Builder (Douglas Dwyer, Cas Core Cas Policy Builder.html) (Bouglas Dwyer, Cas Core Access ibili	builder	The builder to which members should be added.

AssemblyBinding

Return Suglas Dwyer. Cas Core. Assembly B

TypeasAssemblyLoader	Description
(DouglasDwyer.CasCore.CasAssem CasPalipyநெய்der (DouglasDwyer.CasCo	The modified builder.

(Douglas Dwyer. Cas Core. Cas Policy. I

CasPolicyBuilder

With Sandboxed System Threading Tasks Parallel (Cas Policy Builder) Cas Policy Builder Extensions

Adds @pugfes heretes for the By By Steph. Threading. Tasks. Parallel assembly.

ExceptionViolationHandler

Declaration (Douglas Dwyer. Cas Core. Exception)

ICasViolationHandler

pமுத்துக்குக்கு இத்துக்கு இத்துக்கு WithSandboxedSystemThreadingTasksParallel(this CasPolicyBuild etypebildeing

(Douglas Dwyer. Cas Core. Type Bindir

Parameters

Туре	Name	Description
CasPolicyBuilder	builder	The builder to which members should be
(Douglas Dwyer. Cas Core. Cas Policy Builde	er.html)	added.

Returns

Туре		Description
CasPolicyBuilder (DouglasDwyer.CasCo	re.CasPolicyBuilder.html)	The modified builder.

Class ExceptionViolationHandler

Raises a security exception whenever a CAS violation occurs.

▼ Filter by title

Inheritance

L Douglas Dwyger Cas Core (t.com/dotnet/api/system.object) (Douglas Dwygro Gas Gare.html)

Implements bility

ICasylolationHandler (35 Organical Score (25 Core (25 Cor

AssemblyBinding

Inherited Members. CasCore. Assembly B

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obje在歪砲 (https://learn.microsoft.com/dotnet/api/system.object.equals#system-objectequal Poyster Poyrec Cas Feeling.

obje (स.उद्देश) (https://learn.microsoft.com/dotnet/api/system.object.gethashcode)

object.gettype)

object: Reference equals)

object. Post | Past | P

Syntagouglas Dwyer. Cas Core. I Cas Violati

TypeBinding

p(DouglasA)verenclassComexTepeBomorrolationHandler : ICasViolationHandler

Methods

OnViolation(Assembly, MemberInfo)

Called when a sandboxed assembly accesses a field or method that is not on the CasPolicy (DouglasDwyer.CasCore.CasPolicy.html) whitelist. If this method does not throw an exception, then control flow will return to the sandboxed assembly and the invalid access will complete successfully.

Declaration

public void OnViolation(Assembly caller, MemberInfo member)

Туре	Name	Description
Assembly (https://learn.microsoft.com/dotnet/api/system.reflection.as sembly)		The offending assembly.
MemberInfo (https://learn.microsoft.com/dotnet/api/system.reflection.memberinfo)	member	The member that it attempted to read, write, or call.

Douglas Dwyer. Cas Core

(Douglas Dwyer. Cas Core. html)

Implements

(Douglas Dwyer. Cas Core. Accessibility ICas Violation Handler (Douglas Dwyer. Cas Core. ICas Violation Handler (Douglas Dwyer. Cas Core. ICas Violation Handler. html)

(Douglas Dwyer. Cas Core. Assembly B

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy

(Douglas Dwyer. Cas Core. Cas Policy. I

CasPolicyBuilder

(Douglas Dwyer. Cas Core. Cas Policy B

CasPolicyBuilderExtensions

(Douglas Dwyer. Cas Core. Cas Policy B

ExceptionViolationHandler

(Douglas Dwyer. Cas Core. Exception \

ICasViolationHandler

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding

(Douglas Dwyer. Cas Core. Type Bindir

Interface ICasViolationHandler

Event handler that is invoked when an assembly attempts to access a field or method without permission.

▼ Filter by title

Namespace: DouglasDwyer (DouglasDwyer.html).CasCore (DouglasDwyer.CasCore.html)

As Double las Dowyelr. Cas Core

Sy(Paguglas Dwyer. Cas Core. html)

Accessibility

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AssemblyBinding

(Douglas Dwyer. Cas Core. Assembly B

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

Methods

(Douglas Dwyer. Cas Core. Cas Policy. I

CasPolicyBuilder OnViolation (Assembly, MemberInfo) (DouglasDwyer.CasCore.CasPolicyB

Called The licy By illes Extensise mbly accesses a field or method that is not on the CasPolicy (DouGlastallase) West Gre. Case Gre. Case Gre. Philips whitelist. If this method does not throw an exception, then control flow will return to myled at a black of the invalid access will complete successfully.

(DouglasDwyer.CasCore.Exception\

Declaration Handler

(Douglas Dwyer, Cas Core, ICas Violati

v**ōip**e**Bin**∕dimgation(Assembly caller, MemberInfo member)

(Douglas Dwyer. Cas Core. Type Bindir

Туре		Name	Description
Assembly (https://learn.microsoft.com/dotnet/api sembly)	i/system.reflection.as	caller	The offending assembly.
MemberInfo (https://learn.microsoft.com/dotnet/api emberinfo)	i/system.reflection.m	member	The member that it attempted to read, write, or call.

Class TypeBinding

Facilitates selecting particular members of a type to include in a CasPolicy (DouglasDwyer.CasCore.CasPolicy.html).

▼ Filter by title

Inheritance

L. Doieg (at Ds.) year fast Coreft.com/dotnet/api/system.object) (DouglasDwyer.CasCore.html)

Implements bility

IEnumerable (https://learn.fricrosoft.com/dotnet/api/system.collections.generic.ienumerable-1) < MemberInfo (https://feam.hilcrosoft.com/dotnet/api/system.reflection.memberinfo)>

IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.ienumerable)

CasAssemblyLoader

Inherited Members CasCore CasAssemi

obje在我的影響(object) (https://learn.microsoft.com/dotnet/api/system.object.equals#system-object-equals(systemobje@puglasDwyer.CasCore.CasPolicy.h

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object:3884163846666754ffffsis/7fearn.microsoft.com/dotnet/api/system.object.gethashcode)

object.gettype)

object: Reptien de la light de

object Prosiles Provided in the Company of the Comp

ICasViolationHandler
Namespace: DouglasDwyer (DouglasDwyer.html).CasCore (DouglasDwyer.CasCore.html)
(DouglasDwyer.CasCore.lCasViolati

Assembly: CasCore.dll

Syntagouglas Dwyer. Cas Core. Type Bindir

public sealed class TypeBinding : IEnumerable<MemberInfo>, IEnumerable

Constructors

TypeBinding(Type, Accessibility)

Creates a new binding for members of the given type. This recursively includes members of nested classes that are visible under the given accessibility.

Declaration

public TypeBinding(Type type, Accessibility accessibility)

Туре		Name	Description
Type (https://learn.microsoft.com/dotn	et/api/system.type)	type	The target type.

Туре	Name	Description
Accessibility (Douglas Dwyer. Cas Core. Accessibility. html)	accessibility	The accessibility level of members.

Methods

- DouglasDwyer.CasCore **Gentlandater**(CasCore.html)

Returns an enumerator that iterates through the collection. (Douglas Dwyer. Cas Core. Accessibility

Declaration bly Binding

(Douglas Dwyer. Cas Core. Assembly B

publacsendayeoatlar<MemberInfo> GetEnumerator()

(Douglas Dwyer. Cas Core. Cas Assemb

CasPolicy

Returns (Douglas Dwyer. Cas Core. Cas Policy. F

Type asPolicyBuilder	Description
(Douglas Dwyer. Cas Core. Cas Policy B I Enumerator Cas Policy Builder Extensions (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienu (b) (Douglas Dwyer. Cas Core. Cas Policy B tor-1) Exception Violation Handler	An enumerator that can be used to iterate through the collection.
 (DouglasDwyer.CasCore.Exception\ Memberinfo ICasViolationHandler (https://learn.microsoft.com/dotnet/api/system.reflection.memberinfo) (DouglasDwyer.CasCore.ICasViolati) TypeBinding 	

(Douglas Dwyer. Cas Core. Type Bindir

WithConstructor(Accessibility)

Adds the constructor of the given accessibility to this binding.

Declaration

public TypeBinding WithConstructor(Accessibility accessibility)

Parameters

Туре		Name	Description
Accessibility (Douglas Dwyer. Cas Core. A	ccessibility.html)	accessibility	The target member's accessibility.

Returns

Туре		Description
TypeBinding (DouglasDwyer.CasCore.Typ	oeBinding.html)	This type binding, with the member added.

Exceptions

Туре	Condition
ArgumentException (https://learn.microsoft.com/dotnet/api/system.argumentexception)	If no member could be found.

Ŧ

WithConstructor(Type[], Accessibility)

Aclouglas Dwyer Cas Coregiven parameters and accessibility to this binding.

(Douglas Dwyer. Cas Core. html) Declaration

Accessibility

(DouglasDwyer CasCore Accessibility public TypeBinding WithConstructor(Type[] parameters, Accessibility accessibility) AssemblyBinding

(Douglas Dwyer. Cas Core. Assembly B

ParametersemblyLoader

J		
Type Douglas Dwyer. Cas Core. Cas Assemble Cas Policy	Name	Description
TypeDouglasDwyer.CasCore.CasPolicy.l (https://pentypenicyesoft.com/dotnet/api/system.type) [] (DouglasDwyer.CasCore.CasPolicyB	parameters	The parameters that the constructor accepts.
CasPolicyBuilderExtensions Accessibility (DouglasDwyer.CasCore.Accessibility.html)	accessibility	The target member's accessibility.

ExceptionViolationHandler

Returns (Douglas Dwyer. Cas Core. Exception)

Typl Cas Violation Handler	Description
(Douglas Dwyer. Cas Core. I Cas Violati Type Binding. (Douglas Dwyer. Cas Core. Type Binding. html) Type Binding	This type binding, with the member added.

(Douglas Dwyer. Cas Core. Type Bindir

Exceptions

Туре		Condition
ArgumentException (https://learn.microsoft.com/dotnet/ap	i/system.argumentexception)	If no member could be found.

WithField(string, Accessibility)

Adds the field with the given name and accessibility to this binding.

Declaration

public TypeBinding WithField(string name, Accessibility accessibility)

Туре		Name	Description
string (https://learn.microsoft.com/dot	net/api/system.string)	name	The name of the member to add.

Туре	Name	Description
Accessibility (DouglasDwyer.CasCore.Accessibility.html)	accessibility	The target member's accessibility.

Returns

T y pe		Description
TypeBinding (DouglasDwyer.CasCore.T	ypeBinding.html)	This type binding, with the member added.

- DouglasDwyer.CasCore

Ex(Protioglas Dwyer. Cas Core.html)

Typ accessibility		Condition
(Douglas Dwyer. Cas Core. Accessibili Argument Exception Assembly Binding		If no member could be
(https://learn-microsoft.com/dotnet/ap	i/system.argumentexception)	found.

CasAssemblyLoader

(Douglas Dwyer. Cas Core. Cas Assemb

With Method(string, Accessibility) (Douglas Dwyer. Cas Core. Cas Policy. I

Adds The olieth Bod over the given name and accessibility to this binding.

(Douglas Dwyer. Cas Core. Cas Policy B

Declaration CasPolicyBuilderExtensions

(Douglas Dwyer. Cas Core. Cas Policy B

public TypeBinding WithMethod(string name, Accessibility accessibility)

(Douglas Dwyer. Cas Core. Exception \

Parameters Violation Handler

(Douglas Dwyer. Cas Core. I Cas Violati Type Type Iype Binding	Name	Description
string (NG) SSP (NEXT FOR SOR FLOOR	name	The name of the member to add.
Accessibility (Douglas Dwyer. Cas Core. Accessibility. html)	accessibility	The target member's accessibility.

Returns

Туре		Description
TypeBinding (DouglasDwyer.CasCore.T	ypeBinding.html)	This type binding, with the member added.

Exceptions

Туре		Condition
ArgumentException		If no member could be
(https://learn.microsoft.com/dotnet/ap	n/system.argumentexception)	found.

WithMethod(string, Type[], Accessibility)

Adds the method with the given name and accessibility to this binding.

Declaration

Parameters

Type	Name	Description
string (https://learn.microsoft.com/dotnet/api/system.string) - DouglasDwyer.CasCore	name	The name of the member to add.
TypouglasDwyer.CasCore.html) (https://learn.microsoft.com/dotnet/api/system.type) Accessibility (DouglasDwyer.CasCore.Accessibility	parameters	The parameters that the method accepts.
Accessibility/BiodiglasDwyer.CasCore.Accessibility.html)	accessibility	The target member's accessibility.

(Douglas Dwyer. Cas Core. Assembly B

Returns Assembly Loader

(Douglas Dwyer. Cas Core. Cas Assemble Type as Policy	Description
TypeBnlglas Dwyglas Dwyer. Cas Colie TypeBinding.html)	This type binding, with the member added.

(Douglas Dwyer. Cas Core. Cas Policy B Exceptions Cas Policy Builder Extensions

Typ € Douglas Dwyer. Cas Core. Cas Policy B		Condition
ExceptionViolationHandler ArgumentException (DouglasDwyer.CasCore.Exception\ (https://learn.microsoft.com/dotnet/api ICasViolationHandler	i/system.argumentexception)	If no member could be found.

(Douglas Dwyer. Cas Core. I Cas Violati

TypeBinding

Implements.CasCore.TypeBindir

IEnumerable < T > (https://learn.microsoft.com/dotnet/api/system.collections.generic.ienumerable-1) IEnumerable (https://learn.microsoft.com/dotnet/api/system.collections.ienumerable)