

# CMS Snapshot Analysis - Run Analyzer - Warnings - DOTNet with Core CAST AIP - error BC30002 Type XXX.YYY.ZZZ is not defined

## Purpose (problem description)

This page gives the approach to solve the following error message: ' error BC30002 : Type 'XXX.YYY.ZZZ' is not defined'

This error occurs for three main reasons.

1. In 8.0.0 and 8.0.1 only, the Roslyn.dll assembly included in CAST AIP folder is not up-to-date.
2. The assembly defining type XXX.YYY.ZZZ is referenced in a .NET project file as a COM Reference, which is not supported.
3. The assembly defining the type is not found or is found several times and creating duplicate in the delivery, leading to ambiguity.

## Observed in CAST AIP

Release	Yes/No
8.3.x	✓
8.2.x	✓
8.1.x	✓
8.0.x	✓
7.3.x	✓

## Observed on RDBMS

RDBMS	Yes/No
Oracle Server	✓
Microsoft SQL Server	✓
CSS3	✗
CSS2	✓

## Action Plan

You need the following [Relevant input](#) for troubleshooting.

Perform the below actions:

1. If your version of CAST-AIP is 8.0.0 or 8.0.1, you may update to version 8.0.2. Otherwise, please ask [CAST Technical Support](#) for the updated Roslyn.dll file and replace the one in your CAST installation folder by the provided one.
2. If your version is not 8.0.0 nor 8.0.1, or if issue is still there, then identify the assembly which contains object XXX.YYY.ZZZ. You may check this on the World Wide Web for Third-Party assemblies.
3. [Identify which project file the analyzer was parsing when the error message was logged.](#)
4. [Check the reference to the assembly](#) : open the project file and look for the name of the assembly.
  - a. If the project file is a VB one and the reference is a COM Reference, it is not supported by CAST.
  - b. If the reference is not a COM Reference :
    - i. Check if the assembly is present in the folder where it is expected.
    - ii. Check if the assembly is present in the delivery.
5. [Check the packaging of the assembly](#), you could take the help of this [Tools - DotNET - DotNET analysis checklist for troubleshooting any crashes](#)

If issue is still there, then please contact [CAST Technical Support](#)



# Check the packaging of the assembly

For general instructions about packaging a .NET application, please refer to the following documentation :

- [Delivery Manager Tool - Information - Project Remediation - Remediate packaging alerts](#)
  - [.NET What you should package?](#)
- a. First check that the assembly is present on the computer. If it is not, ask the development team if it is a Third-Party assembly. Ask the system team if it is a .Net Framework assembly.
  - b. In Cast-MS, open the Delivery Management Tool by clicking "Add version". In DMT, check that a resource package exists, containing the assembly (you can see it in the "package content" tab) . If not, create it. Re-package the resource package.
  - c. Open the source package containing the project file. Go to the "package content" tab and check the packaging alerts.
  - d. If there is a "missing library" packaging alert about the assembly
    - a. Right-click on it and choose "Add remediation".
    - b. Select the assembly from the resource package (you have just checked it was present, possibly added it, and repackaged the resource package, so it MUST be there).
    - c. Re-package the source package. The packaging alert must have disappeared. Deliver.
  - e. If there is no "missing library" packaging alert about the assembly, you have to check for duplicates :
    - a. If the assembly is a member of the resource package, you have to check that is not also included as a source file in one of the source packages. If it is, exclude it from the source package, repackage the source package and deliver.
    - b. If the assembly is not a member of the resource package, you have to check that, ONLY ONE COPY is included in one of the source packages. If there are duplicates, then keep the one with the `<HintPath>` markup inside and exclude the others from the packages they belong to. Re-package the application and deliver.

## Notes/Comments

First case (Roslyn.dll assembly included in CAST AIP 8.0.1 folder is not up-to-date) was seen in ticket #5629

Second case (COM Reference) was seen in ticket #5868

Third case (wrong packaging) was seen in tickets #5554 and #5533