## Error - is not marked as serializable

Ask Question



The error I'm getting is:

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Type 'OrgPermission' in Assembly 'App\_Code.ptjvczom, Version=0.0.0.0, Culture=neutral, PublicKeyToken=null' is not marked as serializable.



here is my code:



6 I have a gridview, that uses the following DataSource:

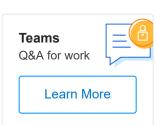
I set the session variable in my page load like so:

## Stack Overflow

Tags

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```
public class OrgPermission
{
    public string Org { get; set; }
    public List<string> type { get; set; }

    public OrgPermission()
    { }
}
public class cUser
{
    public string userid { get; set; }
    public List<OrgPermission> orgs { get; set; }

    public clsUser(string username)
    {
        //i set everything here
    }
}
```

I can't understand why it's breaking, can I use it without making it serializable?

I tried to debug, and the session variable sets just fine, it then goes into the GetOrgList and returned correct results, but the page does not load and I get the error above.

Here is a snippet of my GetOrgList function:

```
public DataTable GetOrgList(List<OrgPermission> orgCodes, string active)
{
    string orgList = null;

    //code to set OrgList using the parameter is here.

    DataSet ds = new DataSet();
    SqlConnection conn = new SqlConnection(cCon.getConn());
    SqlCommand cmd = new SqlCommand("sp_GetOrgList", conn);
    cmd.CommandType = CommandType.StoredProcedure;
    cmd.Parameters.Add(new SqlParameter("@orgList", orgList));
    cmd.Parameters.Add(new SqlParameter("@active", active));
```

```
sqlDA.SelectCommand = cmd;
                     sqlDA.Fill(ds);
                     conn.Close();
                 return ds.Tables[0];
                       .net
                             serialization
              asp.net
                                       edited Mar 20 '17 at 11:16
                                            Raghavendra
                                             655 1 13 20
                                      asked Mar 29 '13 at 17:01
                                            Madam Zu Zu
                                             2,605 15 63 115
3 Answers
         [Serializable]
         public class OrgPermission
```



127



answered Mar 29 '13 at 17:03



burning\_LEGION



- that did it. thank you! i guess i still have ways to learn. -Madam Zu Zu Mar 29 '13 at 17:07
- 19 Just as important is why you must add that serializable tag: any object put into a session variable (other than base objects like ints and bools) must be marked as serializable. Note that some .NET classes are not by default - i.e. DataView - Paul Oct 31 '14 at 17:07

DataSource for a repeater control. Does it also apply for the Viewstate along with Session State?—sohaiby May 28 '15 at 8:47

Didn't work for me; I think this is being caused by something else for me. This error doesn't always appear. But when it does, there's nothing I can do. Can't rebuild or save. I'm left to re-start VS and loose work. – n00dles Jul 23 '17 at 20:54



If you store an object in session state, that object must be serializable.

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http://www.hpenterprisesecurity.com/vulncat/en/vulncat/dot net/asp\_dotnet\_bad\_practices\_non\_serializable\_object\_st ored\_in\_session.html

## edit:

In order for the session to be serialized correctly, all objects the application stores as session attributes must declare the [Serializable] attribute. Additionally, if the object requires custom serialization methods, it must also implement the ISerializable interface.

https://vulncat.hpefod.com/en/detail? id=desc.structural.dotnet.asp\_dotnet\_bad\_practices\_non\_serializable\_object\_stored\_in\_session#C%23%2fVB.NET%2fASP.NET

edited Aug 24 '17 at 17:11

answered Mar 29 '13 at 17:19

- 1 Not for mode = InProc Roland Jan 6 '16 at 19:28
- 2 The page that you requested could not be found. JoshYates1980 Aug 24 '17 at 16:24

Neither page you requested can be found – Hoppe Oct 17 '18 at 19:14



Leaving my specific solution of this for prosperity, as it's a tricky version of this problem:





Type
'System.Linq.Enumerable+WhereSelectArrayIterator[T...] was
not marked as serializable

Due to a class with an attribute IEnumerable<int> eg:

```
[Serializable]
class MySessionData{
   public int ID;
   public IEnumerable<int> RelatedIDs; //This can be an i:
}
```

Originally the problem instance of MySessionData was set from a non-serializable list:

```
MySessionData instance = new MySessionData(){
    ID = 123,
    RelatedIDs = nonSerizableList.Select<int>(item => item
};
```

The cause here is the concrete class that the <code>Select<int></code> (...) returns, has type data that's not serializable, and you need to copy the id's to a fresh <code>List<int></code> to resolve it.

RelatedIDs = nonSerizableList.Select<int>(item => item.ID)

Jono 3,026 3 20 44