Custom Serialization

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Custom Serialization

Conditional Serialization

Custom JsonConverter

Callbacks

ITraceWriter

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Conditional Serialization

- Select dynamically what to serialize and what not to based on certain conditions

ShouldSerialize

IContractResolver

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Demo 9: Conditional Serialization

ShouldSerialize<*Member*>

IContractResolver

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Custom JsonConverter

- Create your own converter
- Derived from JsonConvert
- Override methods as needed

```
{
  "name": "Xavier Morera",
  "courses": [
       "Solr",
       "dotTrace"
       ],
  "since": "2014-01-14T00:00:00",
  "happy": true,
  "issues": null,
  "car": {
        "model": "Land Rover Series III",
        "year": 1976
       }
}
```

```
Author xavierAuthor = new Author()
{
     name = "Xavier Morera",
     courses = new string[] { "Solr",
          "JIRA",
          "dotTrace"
     },
     happy = true,
     issues = null
};
```

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Demo 10: Custom JsonConverter

Converters = new List<JsonConverter>()

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Serialization Callbacks

OnSerializing

Methods Executed

Before & After

OnSerialized

OnDeserializing

Serialization /
Deserialization

OnDeserialized

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Demo 11: Callbacks

OnSerializing

OnSerialized

OnDeserializing

OnDeserialized

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Debugging with ITraceWriter

- What if you want to debug?
- Or understand better the serialization process?
- Or you are running into errors but can't figure out why…
- Use a ITraceWriter

Memory TraceWriter

Custom TraceWriter

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Demo 12: TraceWriter

Logging

Debugging

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Takeaway

Conditional Serialization

Custom JsonConverter

Callbacks

ITraceWriter

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