

## Re: Reflection and order of the fields

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2004-03/0652.htm>

---

**From:** Frank D Lombardo (*Frank\_at\_NoSpam.com*)

**Date:** 03/08/04

Date: Mon, 8 Mar 2004 13:22:23 -0500

I guess I didn't tell you all of the requirements. The device at the other end is an instrument I am trying to control. My code needs to run on both the full framework and the compact framework. The objects I want to send are command objects that have different data fields depending on the nature of the command.

Because of my specific serialization requirements, I was hoping to write my own generic command serializer that would use reflection to determine the run-time data fields of the command and send them over the wire. I'm just not sure if I can rely on the declarative order of the fields being the order that they are returned from GetFields().

```
--
Frank D. Lombardo
Turning Point Technology, Inc.
Frank_AT_TurningPointOnline_DOT_com
"Nicholas Paldino [.NET/C# MVP]" <mvp@spam.guard.caspershouse.com> wrote in
message news:%233PBFgTBEHA.892@tk2msftngp13.phx.gbl...
> Frank,
>
> I am curious, if you are sending an object over the wire, then why not
> just use serialization (assuming that .NET is on the other side of the
> wire).
>
> The order of the fields is not guaranteed. Some reasonable
assumptions
> would be to get them in declarative order, and alphabetical, but I am not
> sure. If you need a specific order, I would recommend getting the
specific
> fields and then ordering them yourself.
>
> Hope this helps.
>
>
> --
> - Nicholas Paldino [.NET/C# MVP]
> - mvp@spam.guard.caspershouse.com
>
> "Frank D Lombardo" <Frank@NoSpam.com> wrote in message
> news:08nyEXTBEHA.1548@TK2MSFTNGP12.phx.gbl...
> > I am attempting to use Reflection to send an object over a serial port.
I
> > won't know the exact type of the object until run-time. If I call
```

microsoft.public.dotnet.framework.compactframework: Re: Reflection and order of the fields

```
> > GetFields(), is there any guarantee on the order the fields are
returned?
> > Would it help if I used a struct instead of a class? I need to send the
> > fields in a known and consistent order. I would also like this code to
> work
> > on the Compact Framework.
> >
> >
> > Thanks,
> > --
> > Frank D. Lombardo
> > Turning Point Technology, Inc.
> > Frank_AT_TurningPointOnline_DOT_com
> >
> >
> >
> >
> >
> >
```