

Can a service have multiple endpoints?

Asked 16 years, 3 months ago Modified 6 years ago Viewed 24k times



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We have a service that has some settings that are supported only over net.tcp. What's the best way to add another endpoint? Do I need to create an entire new host?

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edited Jan 25, 2012 at 21:29



Peter Mortensen

31.6k ● 22 ● 109 ● 133

asked Sep 5, 2008 at 16:50



Esteban Araya

29.6k ● 25 ● 111 ● 141

4 Answers

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9

You can have multiple endpoints defined either on the server, or the client.

To do it on the client, you just need to edit your app.config file with a new endpoint with a different name, then define



when you create your new client.



For example if you have an endpoint in your client app like:



```
<endpoint address="https://yourdomain.com/WCF/YourServ
binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_IYourServ
contract="MessagingService.IYourService"
name="BasicHttpBinding_IYourService" />
```

Which you call by:

```
YourServiceClient client = new YourServiceClient();
```

You can add a new endpoint with a new name:

```
<endpoint address="https://yourotherdomain.com/WCF/You
binding="basicHttpBinding"
bindingConfiguration="BasicHttpBinding_IYourServ
contract="MessagingService.IYourService"
name="BasicHttpBinding_IYourService_ENDPOINT2" /
```

Which you can call with:

```
YourServiceClient client = new
YourServiceClient("BasicHttpBinding_IYourService_ENDPO
```

I just changed the domain above, but if you made a new binding configuration section, you could just change the "bindingConfiguration" value.

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answered Sep 8, 2008 at 21:30

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Dylan

2,422 ● 6 ● 27 ● 34



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A service may have multiple endpoints within a single host, but every endpoint must have a unique combination of address, binding and contract. For an IIS-hosted service (that is, an .SVC file), just set the address of the endpoint to a **relative** URI and make sure that your Visual Studio or wsdl.exe generated client specifies the endpoint's name in its constructor.

See also the MSDN article [Multiple Endpoints](#).

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edited Jan 25, 2012 at 21:31

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Peter Mortensen

31.6k ● 22 ● 109 ● 133

answered Sep 5, 2008 at 17:03



Mark Cidade

99.8k ● 33 ● 229 ● 237



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You will need to create an entire new host if you are currently using IIS as your host - IIS only supports HTTP and not TCP bindings. If however you are using WAS or a windows service, then you'll be able to get away with simply creating a new net.tcp endpoint.



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answered Sep 8, 2008 at 10:36



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Bermo

4,931 ● 1 ● 30 ● 32

-
- 1 I think IIS7 does support non-HTTP bindings (i.e. TCP).
– [Piotr Owsiak](#) Aug 30, 2010 at 9:52
-



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We can use multiple endpoints for the same service. We can configure the web config in the following way also



```
<service name="MessagePatternDemo.Service1">
  <endpoint name="ep1" address="/ep1" binding="basicHttpBinding"
    contract="MessagePatternDemo.IService1"/>
  <endpoint name="ep2" address="/ep2" binding="wsHttpBinding"
    contract="MessagePatternDemo.IService1" />
  <endpoint name="mex" contract="IMetadataExchange"
    binding="mexHttpBinding" />
</service>
```

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answered Dec 17, 2018 at 9:55

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Vinoth

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