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| **ID: 1** |
| **Summary:** Dividing by zero leads to the server error |
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| **Severity (Critical, Major, Medium, Minor):** medium |
| **Description:** In web service Calculator <http://www.dneonline.com/calculator.asmx>  server is unable to process request of dividing one positive integer by zero |
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| **Steps to reproduce:** |
| 1. Send request in POST body to <http://www.dneonline.com/calculator.asmx> with:  - Content-Type = text/xml  - *xmlns=[http://tempuri.org/](http://tempuri.org/" \t "_blank)*as attribute to method tag  - **request** **xml** includes 2 mandatory tags:                **intA** – Integer;                **intB** – Integer;   * SOAP Envelope:   <soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:tem="http://tempuri.org/">  <soap:Header/>  <soap:Body>  <tem:Divide>  <tem:intA>46</tem:intA>  <tem:intB>0</tem:intB>  </tem:Divide>  </soap:Body>  </soap:Envelope> |
| **Actual result:** |
| <soap:Text xml:lang="en">System.Web.Services.Protocols.SoapException: Server was unable to process request. ---> System.OverflowException: Arithmetic operation resulted in an overflow.  at Calculator.Divide(Int32 intA, Int32 intB) in G:\PleskVhosts\dneonline.com\httpdocs\Calculator.asmx:line 19  --- End of inner exception stack trace ---</soap:Text> |
| **Expected result:** |
| Dividing by zero is prohibited. |

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| **ID: 2** |
| **Summary:** When dividing 35 by 10 the result is 4 instead of 3.5 |
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| **Severity (Critical, Major, Medium, Minor):** major |
| **Description:** In web service Calculator <http://www.dneonline.com/calculator.asmx>  the result of division of two integers is rounded. |
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| **Steps to reproduce:** |
| 1. Send request in POST body to <http://www.dneonline.com/calculator.asmx> with:  - Content-Type = text/xml  - *xmlns=[http://tempuri.org/](http://tempuri.org/" \t "_blank)*as attribute to method tag  <soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope" xmlns:tem="http://tempuri.org/">  <soap:Header/>  <soap:Body>  <tem:Divide>  <tem:intA>35</tem:intA>  <tem:intB>10</tem:intB>  </tem:Divide>  </soap:Body>  </soap:Envelope> |
| **Actual result:** |
| <DivideResult>4</DivideResult> |
| **Expected result:** |
| <DivideResult>3.5</DivideResult> |