



**Argo Web Risk Control API
v1.0.0.1**

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1 Introduction

The Argo Web Risk Control API is built as a RESTful web service. Risk Control API allows to manage FCMs, firms, accounts, traders, positions, and risk limits. Typically, Risk Control API returns data in XML format. Requests are HTTP Get and Post messages. Some requests contain JSON formatted objects. Examples of requests/responses for Risk Control API are described below.

2 Session Level Messages

2.1 Logon

URL: GET /login/user=rm_argo_demo/password=rm_argo_demo

```
function login()
{
    var url =
        "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/login/user=rm\_argo\_demo/password=rm\_argo\_demo";
    $.get(url, null, function(data) { alert(data); }, "xml");
}
```

Response (XML):

```
<string xmlns='\"http://schemas.microsoft.com/2003/10/Serialization/\"'>
    d4fb9f1c-bb18-4390-8778-07e3ca9dc2d4
</string>
```

Note that Response contains SessionID that is used in all other messages.

2.2 Logout

URL: GET /logout/session_id=d4fb9f1c-bb18-4390-8778-07e3ca9dc2d4

```
function logout()
{
    var url =
        "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/logout/session\_id=d4fb9f1c-bb18-4390-8778-07e3ca9dc2d4";
    $.get(url, null, function(data) { alert(data); }, "xml");
}
```

Response (XML):

There is no response on logout request.

2.3 Is Connected

URL: GET /is_connected/session_id=c4010188-80e4-44a8-9b91-ffd697a3ce82

```
function IsConnected()
{
    var url =
        "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/is\_connected/session\_id=c4010188-80e4-44a8-9b91-ffd697a3ce82";
    $.get(url, null, function(data) { setXmlToFrame(data); }, "xml");
}
```

Response (XML):

```
<boolean xmlns="http://schemas.microsoft.com/2003/10/Serialization/">  
  true  
</boolean>
```

3 Risk Control

3.1 Get User

URL: GET /get_user/session_id=2a3bfc41-47b7-428c-9943-014878c50100

```
function getUser()
{
  var url =
    "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_user/session\_id=2a3bfc41-47b7-428c-9943-014878c50100";
  $.get(url,null,function(data){setXmlToFrame(data)}, "xml");
}
```

Response (XML):

```
<ArrayOfUser
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <User>
    <Accounts
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">
    </Accounts>
    <CancelOnDisconnect>true</CancelOnDisconnect>
    <City></City>
    <Company></Company>
    <Country></Country>
    <Email></Email>
    <Fax></Fax>
    <FixSession>ARGO</FixSession>
    <Id>trader_argo1</Id>
    <MobilePhone></MobilePhone>
    <Name></Name>
    <Password>trader_argo1</Password>
    <PostalCode></PostalCode>
    <RejectOlderThanMillisec>0</RejectOlderThanMillisec>
    <RejectPossibleDuplicate>true</RejectPossibleDuplicate>
    <StateOrProvince></StateOrProvince>
    <Status>2</Status>
    <Street></Street>
    <TraderGroupId i:nil="true"></TraderGroupId>
    <WorkPhone></WorkPhone>
  </User>
</ArrayOfUser>
```

3.2 Get Accounts

URL: GET /get_accounts/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =
  "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_accounts/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfAccount xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Account>
    <AccountType>1</AccountType>
    <Balance>1001000</Balance>
    <Commission>0</Commission>
    <Currency>USD</Currency>
    <Destinations xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays"></Destinations>
    <DisplayName>RT_ACCOUNT</DisplayName>
    <FixAccount>RT_ACCOUNT</FixAccount>
    <MasterAccountId>dc07236408604543bf59ff5b</MasterAccountId>
    <Name>RT_ACCOUNT</Name>
    <NetAssetValue>1001000</NetAssetValue>
    <ParentAccount></ParentAccount>
    <RealizedPnl>0</RealizedPnl>
    <RiskLimitsProfileId>rlp2</RiskLimitsProfileId>
    <SelfTradingEnabled>0</SelfTradingEnabled>
    <SettlementRealizedPNL>0</SettlementRealizedPNL>
    <SettlementUnrealizedPNL>0</SettlementUnrealizedPNL>
    <State>Enabled</State>
    <TotalValue>0</TotalValue>
    <UnrealizedPnl>0</UnrealizedPnl>
    <UnusedMargin>1001000</UnusedMargin>
    <UsedMargin>0</UsedMargin>
    <UserData i:nil="true"></UserData>
  </Account>
</ArrayOfAccount>
```

3.3 Get Positions

URL: GET /get_positions/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =
  "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_positions/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";
$.get(url,null,function(data){setXmlToFrame(data)},"xml");
```

Response (XML):

```
<ArrayOfPosition
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Position>
    <BestBidPrice>-2147483648</BestBidPrice>
    <BestOfferPrice>-2147483648</BestOfferPrice>
    <DV01>0</DV01>
    <FreeQty>0</FreeQty>
    <InitialMargin>0</InitialMargin>
    <InitialMarginPerContract>0</InitialMarginPerContract>
    <InitialQty>39</InitialQty>
    <InstrumentID>ESZ3</InstrumentID>
    <IntradayMargin>0</IntradayMargin>
    <IntradayMarginPerContract>0</IntradayMarginPerContract>
    <MaintenanceMargin>0</MaintenanceMargin>
```

```
<MaintenanceMarginPerContract>0</MaintenanceMarginPerContract>
<MaintenanceQty>0</MaintenanceQty>
<MarginCurrency>USD</MarginCurrency>
<MiddlePrice>0</MiddlePrice>
<NPV>0</NPV>
<NetAssetValue>204.75</NetAssetValue>
<Notional_1Y>0</Notional_1Y>
<OvernightInitialMarginPerContract>0</OvernightInitialMarginPerContract>
<OvernightMaintenanceMarginPerContract>0</OvernightMaintenanceMarginPerContract>
<ParentSecId/>
<PositionType>0</PositionType>
<Qty>-39</Qty>
<RealizedPnl>0</RealizedPnl>
<RiskLimitForInstrumentGroup i:nil="true"/>
<RouterExchange>ARGO</RouterExchange>
<SecurityID>24427</SecurityID>
<SettlementPrice>0</SettlementPrice>
<SettlementRealizedPNL>0</SettlementRealizedPNL>
<SettlementUnrealizedPNL>0</SettlementUnrealizedPNL>
<TradePrice>-1</TradePrice>
<UnrealizedPnl>-8775</UnrealizedPnl>
<Value>204.75</Value>
<WorkingBuys>0</WorkingBuys>
<WorkingSells>0</WorkingSells>
</Position>
</ArrayOfPosition>
```

3.4 Get Markets

URL: GET /get_markets/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_markets/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfMarket
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Market>
    <Description>SIMEX</Description>
    <Id>SIMEX</Id>
    <ScheduleId/>
    <ScheduleName>SIMEX</ScheduleName>
    <State>Unexpected</State>
  </Market>
  <Market>
    <Description>ARGO</Description>
    <Id>ARGO</Id>
    <ScheduleId/>
    <ScheduleName>ARGO</ScheduleName>
    <State>Unexpected</State>
  </Market>
```

</ArrayOfMarket>

3.5 Get Account Groups

URL: GET /get_account_groups/session_id=2a3bfc41-47b7-428c-9943-014878c50100

```
var url =  
    "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_account\_groups/session\_id=2a3bfc41-47b7-428c-9943-014878c50100";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfAccountGroup  
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <AccountGroup>  
    <Accounts  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
        <a:string>ACCOUNT1</a:string>  
        <a:string>ACCOUNT_DEMO1</a:string>  
        <a:string>ACCOUNT2</a:string>  
      </Accounts>  
    <CCP>CME</CCP>  
    <CCPAccount>1234</CCPAccount>  
    <CCPTrader></CCPTrader>  
    <Enabled>true</Enabled>  
    <Flags>0</Flags>  
    <GroupType>MasterAccount</GroupType>  
    <RiskProfileId>AG_RP1</RiskProfileId>  
    <RiskValue i:nil="true"></RiskValue>  
    <TraderMnemonic></TraderMnemonic>  
    <TradingVenues  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
        <a:string>CME</a:string>  
        <a:string>SIMEX</a:string>  
        <a:string>ARGO</a:string>  
      </TradingVenues>  
    </AccountGroup>  
</ArrayOfAccountGroup>
```

3.6 Get Alarm Notification

URL: GET /get_alarm_notification/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
    "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_alarm\_notification/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```


Response (XML):

```
//TODO
```

3.7 Get Alert Targets

URL: GET /get_alert_targets/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_alert\_targets/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
//TODO
```

3.8 Get Channels

URL: GET /get_channels/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_channels/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfChannel  
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <Channel>  
    <Description>CME Globex Equity Futures</Description>  
    <Id>CME Globex Equity Futures</Id>  
    <ScheduleId/>  
    <ScheduleName>CME Globex Equity Futures</ScheduleName>  
    <State>Unexpected</State>  
  </Channel>  
  <Channel>  
    <Description>ARGO</Description>  
    <Id>ARGO</Id>  
    <ScheduleId/>  
    <ScheduleName>ARGO</ScheduleName>  
    <State>Unexpected</State>  
  </Channel>  
</ArrayOfChannel>
```

3.9 Get Commission Schedules

URL: GET /get_commission_schedules/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_commission_schedules/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

//TODO

3.10 Get Commodities

URL: GET /get_commodities/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_commodities/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

//TODO

3.11 Get Currency Pairs

URL: GET /get_currency_pairs/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_currency_pairs/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfCurrencyPair  
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <CurrencyPair>  
    <AllowSelfFeed>true</AllowSelfFeed>  
    <BuyRate>1.2</BuyRate>  
    <CcyFrom>EUR</CcyFrom>  
    <CcyTo>USD</CcyTo>  
    <DefaultBuyRate>1.2</DefaultBuyRate>
```

```
<DefaultSellRate>1.2</DefaultSellRate>
<ExchIdentifierStr/>
<Id>EUR/USD</Id>
<RetrieveStrategy i:nil="true"/>
<SellRate>1.2</SellRate>
</CurrencyPair>
</ArrayOfCurrencyPair>
```

3.12 Get Fee Schedules:

URL: GET /get_fees_schedules/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_fees\_schedules/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfFeesSchedule
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <FeesSchedule>
    <Currency>USD</Currency>
    <Id>123456</Id>
    <Name/>
    <Type>AbsoluteValue</Type>
    <Value>10</Value>
    <XmlSettings/>
  </FeesSchedule>
  <FeesSchedule>
    <Currency>USD</Currency>
    <Id>566</Id>
    <Name/>
    <Type>AbsoluteValue</Type>
    <Value>1</Value>
    <XmlSettings/>
  </FeesSchedule>
  <FeesSchedule>
    <Currency>USD</Currency>
    <Id>654321</Id>
    <Name/>
    <Type>Percent</Type>
    <Value>1</Value>
    <XmlSettings/>
  </FeesSchedule>
</ArrayOfFeesSchedule>
```

3.13 Get Fills

URL: GET /get_fills/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_fills/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
//TODO
```

3.14 Get Firms

URL : GET /get_firms/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_firms/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<ArrayOfFirm  
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <Firm>  
    <Channels  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>  
    <City/>  
    <CmeClearingFirm/>  
    <Country/>  
    <Description/>  
    <Enabled>>false</Enabled>  
    <FirmType>TradingFirm</FirmType>  
    <ID>broker1</ID>  
    <IsFinancialInstitution>0</IsFinancialInstitution>  
    <IsUsPerson>0</IsUsPerson>  
    <LEI/>  
    <Name>broker1</Name>  
    <PartnerFirms/>  
    <PostalCode/>  
    <RequiredForMasterAccount>>true</RequiredForMasterAccount>  
    <StateProvince/>  
    <Street/>  
    <TradingFirmType>SwapDealer</TradingFirmType>  
  </Firm>
```

```
<Firm>
  <Channels xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <City/>
  <CmeClearingFirm/>
  <Country/>
  <Description>fcm1</Description>
  <Enabled>>false</Enabled>
  <FirmType>FCMFirm</FirmType>
  <ID>fcm1</ID>
  <IsFinancialInstitution>0</IsFinancialInstitution>
  <IsUsPerson>0</IsUsPerson>
  <LEI/>
  <Name>fcm1</Name>
  <PartnerFirms>
    <FirmPartnerLink>
      <Enabled>>true</Enabled>
      <ID>firm1</ID>
    </FirmPartnerLink>
  </PartnerFirms>
  <PostalCode/>
  <RequiredForMasterAccount>>false</RequiredForMasterAccount>
  <StateProvince/>
  <Street/>
  <TradingFirmType>SwapDealer</TradingFirmType>
</Firm>
<Firm>
  <Channels
    xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays"/>
  <City/>
  <CmeClearingFirm/>
  <Country/>
  <Description>firm1</Description>
  <Enabled>>true</Enabled>
  <FirmType>TradingFirm</FirmType>
  <ID>firm1</ID>
  <IsFinancialInstitution>0</IsFinancialInstitution>
  <IsUsPerson>0</IsUsPerson>
  <LEI/>
  <Name>firm1</Name>
  <PartnerFirms>
    <FirmPartnerLink>
      <Enabled>>true</Enabled>
      <ID>fcm1</ID>
    </FirmPartnerLink>
  </PartnerFirms>
  <PostalCode/>
  <RequiredForMasterAccount>>true</RequiredForMasterAccount>
  <StateProvince/>
  <Street/>
  <TradingFirmType>Other</TradingFirmType>
</Firm>
</ArrayOfFirm>
```

3.15 Get Instrument Groups

URL: GET /get_instrument_groups/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_instrument_groups/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data) {setXmlToFrame(data) }, "xml");
```

Response (XML):

```
<ArrayOfInstrumentGroup  
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <InstrumentGroup>  
    <Ccy/>  
    <Channels  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
        <a:string>CNX</a:string>  
      </Channels>  
    <Commodities/>  
    <EtsTypes>0</EtsTypes>  
    <Expirations/>  
    <IRSIndexTenors/>  
    <IRSIndexes/>  
    <IRSMaturityPeriods/>  
    <Markets  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
        <a:string>CNX</a:string>  
      </Markets>  
    <Name>cnx_instr_group</Name>  
    <SecTypes/>  
    <StrikePrices/>  
    <Symbols/>  
  </InstrumentGroup>  
</ArrayOfInstrumentGroup>
```

3.16 Get Margin Schedules

URL: GET /get_margin_schedules/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_margin_schedules/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data) {setXmlToFrame(data) }, "xml");
```

Response (XML):

//TODO

3.17 Get Market Schedules

URL: GET /get_market_schedules/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get_market_schedules/session_id=5c80  
2f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfMarketSchedule  
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <MarketSchedule>  
    <Description>schedule that include all time</Description>  
    <Id>AlwaysWorking</Id>  
    <SessionEventIDs  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
      <a:string>215e75bf-d52a-41e0-9773-c50eaca97140</a:string>  
      <a:string>a9da5d9d-3070-4d91-aa4d-980fdd2a0863</a:string>  
    </SessionEventIDs>  
    <Sessions  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
      <a:string>Session2</a:string>  
    </Sessions>  
  </MarketSchedule>  
  <MarketSchedule>  
    <Description>test</Description>  
    <Id>test</Id>  
    <SessionEventIDs  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
      <a:string>6a86db31-4600-4d2f-a4ee-30dfe04ae71e</a:string>  
      <a:string>ce10f8fb-3ee7-484d-af95-a2a1787e92e6</a:string>  
    </SessionEventIDs>  
    <Sessions  
      xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays">  
      <a:string>TEST_SCHEDULE</a:string>  
    </Sessions>  
  </MarketSchedule>  
</ArrayOfMarketSchedule>
```

3.18 Get Portfolios

URL: GET /get_portfolios/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_portfolios/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
//TODO
```

3.19 Get Risk Alerts

URL: GET /get_risk_alerts/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_risk\_alerts/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
//TODO
```

3.20 Get Risk Limit Profiles

URL: GET /get_risk_limit_profiles/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =  
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_risk\_limit\_profiles/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";  
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfRiskLimitProfile  
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"  
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">  
  <RiskLimitProfile>  
    <Alerts/>  
    <CurrencyCode/>  
    <GroupLimits>  
      <RiskLimitForInstrumentGroup>  
        <CommissionsScheduleId/>  
        <Currency/>  
        <FeesScheduleId/>  
        <Group>group_instruments</Group>  
        <Id>group_instruments</Id>  
        <IsShortProhibited>>false</IsShortProhibited>  
        <MarginScheduleId/>
```



```
<MaxOrderSize>10</MaxOrderSize>
<MaxPositionSize>100000</MaxPositionSize>
<MaxPositionSizeAG>0</MaxPositionSizeAG>
<ParametersMask>0</ParametersMask>
<PortfolioDV01>0</PortfolioDV01>
<PortfolioNPV>0</PortfolioNPV>
<PortfolioNotional>0</PortfolioNotional>
<Priority>1</Priority>
<ProfileId>rlp2</ProfileId>
<TradeDV01>0</TradeDV01>
<TradeNPV>0</TradeNPV>
<TradeNotional>0</TradeNotional>
</RiskLimitForInstrumentGroup>
</GroupLimits>
<Id i:nil="true"/>
<IsRegularAccountGroup>false</IsRegularAccountGroup>
<RiskProfileType>AccountRlp</RiskProfileType>
<Type>Regular</Type>
</RiskLimitProfile>
<RiskLimitProfile>
  <Alerts/>
  <CurrencyCode/>
  <GroupLimits/>
  <Id i:nil="true"/>
  <IsRegularAccountGroup>false</IsRegularAccountGroup>
  <RiskProfileType>AccountRlp</RiskProfileType>
  <Type>Regular</Type>
</RiskLimitProfile>
</ArrayOfRiskLimitProfile>
```

3.21 Get Trading Sessions

URL: GET /get_trading_sessions/session_id=5c802f93-725a-4f35-ad63-a6ef60b214e0

```
var url =
  "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/get\_trading\_sessions/session\_id=5c802f93-725a-4f35-ad63-a6ef60b214e0";
$.get(url,null,function(data){setXmlToFrame(data)}, "xml");
```

Response (XML):

```
<ArrayOfTradingSession
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <TradingSession>
    <Days>Mo;Tu;We;Th;Fr;Sa;Su;</Days>
    <HolidayDate>0001-01-01T00:00:00</HolidayDate>
    <HolidayDateString/>
    <HolidayName/>
    <Id>Session2</Id>
    <SessionEventId>215e75bf-d52a-41e0-9773-c50eaca97140</SessionEventId>
    <State>3</State>
    <Time>2013-01-21T01:00:00</Time>
    <TimeString>01:00</TimeString>
```

```
<TimeZone>America/Chicago</TimeZone>
<Type>1</Type>
</TradingSession>
<TradingSession>
  <Days>Mo;Tu;We;Th;Fr;Sa;Su;</Days>
  <HolidayDate>0001-01-01T00:00:00</HolidayDate>
  <HolidayDateString/>
  <HolidayName/>
  <Id>Session2</Id>
  <SessionEventId>a9da5d9d-3070-4d91-aa4d-980fdd2a0863</SessionEventId>
  <State>1</State>
  <Time>2013-01-21T12:00:00</Time>
  <TimeString>12:00</TimeString>
  <TimeZone>America/Chicago</TimeZone>
  <Type>1</Type>
</TradingSession>
</ArrayOfTradingSession>
```

3.22 Deposit Account

URL: POST /deposit

Request (JSON):

```
account_id      "ACCOUNT_DEMO1"
balance_increment 333
session_id      "49fc9a1f-26c1-4208-81d8-282efcea51d9"
```

```
var url = "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/deposit";
var jsonToSend = {account_id: "ACCOUNT_DEMO1",
                  balance_increment: 333,
                  session_id: ses_id};
var request = jQuery.ajax ({
  url: url,
  type: "POST",
  data: JSON.stringify(jsonToSend),
  dataType: "xml",
  contentType: "application/json; charset=utf-8",
}).done(
  function(data)
  {
    setXmlToFrame(data);
  });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
```

</Confirmation>

3.23 Withdraw Account

URL: POST /withdraw

Request (JSON):

```
account_id      "ACCOUNT_DEMO1"
balance_increment 333
session_id      "49fc9a1f-26c1-4208-81d8-282efcea51d9"
```

```
var url = "http://localhost/depoyedApp/RiskApiSynchronousWcfService.svc/withdraw";
var jsonToSend = {account_id: "ACCOUNT_DEMO1",
                  balance_increment: 333,
                  session_id: ses_id};
var request = jQuery.ajax ({
  url: url,
  type: "POST",
  data: JSON.stringify(jsonToSend),
  dataType: "xml",
  contentType: "application/json; charset=utf-8",
}).done(
  function(data)
  {
    setXmlToFrame(data);
  });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.24 Disable Account

URL: POST /disable_account

Request (JSON):

```
account_id      "ACCOUNT_DEMO1"
session_id      "49fc9a1f-26c1-4208-81d8-282efcea51d9"
```

```
var url = "http://localhost/depoyedApp/RiskApiSynchronousWcfService.svc/disable_account";
var jsonToSend = {account_id: "ACCOUNT_DEMO1",
                  session_id: ses_id};
var request = jQuery.ajax ({
```

```
url: url,
type: "POST",
data: JSON.stringify(jsonToSend),
dataType: "xml",
contentType: "application/json; charset=utf-8",
}).done(
function(data)
{
setXmlToFrame(data);
});
```

Response (XML):

```
<Confirmation
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
<Confirm>true</Confirm>
<ErrorMessage/>
</Confirmation>
```

3.25 Enable Account

URL: POST /enable_account

Request (JSON):

account_id	"ACCOUNT_DEMO1"
session_id	"49fc9a1f-26c1-4208-81d8-282efcea51d9"

```
var url = "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/enable\_account";
var jsonToSend = {account_id: "ACCOUNT_DEMO1",
                  session_id: ses_id};
var request = jQuery.ajax ({
url: url,
type: "POST",
data: JSON.stringify(jsonToSend),
dataType: "xml",
contentType: "application/json; charset=utf-8",
}).done(
function(data)
{
setXmlToFrame(data);
});
```

Response (XML):

```
<Confirmation
xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
<Confirm>true</Confirm>
<ErrorMessage/>
```

</Confirmation>

3.26 Delete Account

URL: POST /delete_account

Request (JSON):

```
account_id      "ACCOUNT_DEMO1"
session_id     "49fc9a1f-26c1-4208-81d8-282efcea51d9"
```

```
var url = "http://localhost/depoyedApp/RiskApiSynchronousWcfService.svc/delete\_account";
var jsonToSend = {account_id: "ACCOUNT_DEMO1",
                  session_id: ses_id};
var request = jQuery.ajax ({
  url: url,
  type: "POST",
  data: JSON.stringify(jsonToSend),
  dataType: "xml",
  contentType: "application/json; charset=utf-8",
}).done(
  function(data)
  {
    setXmlToFrame(data);
  });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.27 Create Account

URL: POST /create_account

Request (JSON):

```
account
  AccountType 1
  Balance 1001000
  Commission 0
  Currency "USD"
  Destinations []
  DisplayName "RT_ACCOUNT4"
  FixAccount "RT_ACCOUNT4"
  MasterAccountId "dc07236408604543bf59fff5b"
  Name "RT_ACCOUNT4"
  NetAssetValue 1001000
```

Argo Web Trading API

```
ParentAccount ""
RealizedPnl 0
RiskLimitsProfileId "rlp2"
SelfTradingEnabled 0
SettlementRealizedPNL 0
SettlementUnrealizedPNL 0
State 0
TotalValue 0
UnrealizedPnl 0
UnusedMargin 1001000
UsedMargin 0
UserData ""
session_id "7a118b4b-6d9f-477b-8af6-6d543dab866a"

var url = "http://localhost/depoyedApp/RiskApiSynchronousWcfService.svc/create_account";
var jsonToSend = {account: {
    "AccountType" : 1,
    "Balance" : 1001000,
    "Commission" : 0,
    "Currency" : "USD",
    "Destinations" : [],
    "DisplayName" : "RT_ACCOUNT4",
    "FixAccount" : "RT_ACCOUNT4",
    "MasterAccountId" : "dc07236408604543bf59fff5b",
    "Name" : "RT_ACCOUNT4",
    "NetAssetValue" : 1001000,
    "ParentAccount" : "",
    "RealizedPnl" : 0,
    "RiskLimitsProfileId" : "rlp2",
    "SelfTradingEnabled" : 0,
    "SettlementRealizedPNL" : 0,
    "SettlementUnrealizedPNL" : 0,
    "State" : 0,
    "TotalValue" : 0,
    "UnrealizedPnl" : 0,
    "UnusedMargin" : 1001000,
    "UsedMargin" : 0,
    "UserData" : ""},
    session_id: ses_id};
var request = jQuery.ajax ({
    url: url,
    type: "POST",
    data: JSON.stringify(jsonToSend),
    dataType: "xml",
    contentType: "application/json; charset=utf-8",
}).done(
    function(data)
    {
        setXmlToFrame(data);
    });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.28 Edit Account

URL: POST /edit_account

Request (JSON):

```
account
  AccountType 1
  Balance 1001000
  Commission 0
  Currency "USD"
  Destinations []
  DisplayName "RT_ACCOUNT4"
  FixAccount "RT_ACCOUNT4"
  MasterAccountId "dc07236408604543bf59fff5b"
  Name "RT_ACCOUNT4"
  NetAssetValue 1001000
  ParentAccount ""
  RealizedPnl 0
  RiskLimitsProfileId "rlp2"
  SelfTradingEnabled 0
  SettlementRealizedPNL 0
  SettlementUnrealizedPNL 0
  State 0
  TotalValue 0
  UnrealizedPnl 0
  UnusedMargin 1001000
  UsedMargin 0
  UserData ""
session_id "7a118b4b-6d9f-477b-8af6-6d543dab866a"
```

```
var url = "http://localhost/depoyedApp/RiskApiSynchronousWcfService.svc/edit\_account";
var jsonToSend = {account: {
  "AccountType" : 1,
  "Balance" : 1001000,
  "Commission" : 0,
  "Currency" : "USD",
  "Destinations" : [],
  "DisplayName" : "RT_ACCOUNT4",
  "FixAccount" : "RT_ACCOUNT4",
  "MasterAccountId" : "dc07236408604543bf59fff5b",
  "Name" : "RT_ACCOUNT4",
  "NetAssetValue" : 1001000,
```

```
        "ParentAccount" : "",
        "RealizedPnl" : 0,
        "RiskLimitsProfileId" : "rlp2",
        "SelfTradingEnabled" : 0,
        "SettlementRealizedPNL" : 0,
        "SettlementUnrealizedPNL" : 0,
        "State" : 0,
        "TotalValue" : 0,
        "UnrealizedPnl" : 0,
        "UnusedMargin" : 1001000,
        "UsedMargin" : 0,
        "UserData" : ""},
    session_id: ses_id};
var request = jQuery.ajax ({
    url: url,
    type: "POST",
    data: JSON.stringify(jsonToSend),
    dataType: "xml",
    contentType: "application/json; charset=utf-8",
}).done(
    function(data)
    {
        setXmlToFrame(data);
    });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.29 Create User

URL: POST /create_user

Request (JSON):

```
user
"City"    "Chicago"
"Id"     "test_user7"
"Status"  0
"TraderGroupId" ""
"Password" "test_user7"
"Street"  ""
"Name"    ""
"StateOrProvince" ""
"Country" ""
"PostalCode" ""
```


Argo Web Trading API

```
"Company"    ""
"Email"     ""
"WorkPhone" ""
"MobilePhone" ""
"Fax"      ""
"Role"     ""
"FixSession" ""
"RejectOlderThanMillisec" 0
"RejectPossibleDuplicate" true
"CancelOnDisconnect" true
"Accounts"  ["RT_ACCOUNT1" "RT_ACCOUNT2"]
session_id "7a118b4b-6d9f-477b-8af6-6d543dab866a"
```

```
var url = "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/create\_user";
var jsonToSend = {user: {
"City": "Chicago",
"Id": "test_user10",
"Status": 0,
"TraderGroupId": "",
"Password": "test_user10",
"Street": "",
"Name": "test_user10",
"StateOrProvince": "",
"Country": "",
"PostalCode": "",
"Company": "",
"Email": "",
"WorkPhone": "",
"MobilePhone": "",
"Fax": "",
"Role": "",
"FixSession": "",
"RejectOlderThanMillisec": 0,
"RejectPossibleDuplicate": true,
"CancelOnDisconnect": true,
"Accounts": ["RT_ACCOUNT1", "RT_ACCOUNT2"]
},
    session_id: ses_id};
var request = jQuery.ajax({
    url: url,
    type: "POST",
    data: JSON.stringify(jsonToSend),
    dataType: "xml",
    contentType: "application/json; charset=utf-8",
}).done(
    function(data)
    {
        setXmlToFrame(data);
    });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.30 Edit User:

URL: POST /edit_user

Request (JSON):

```
user
  "City" "Chicago"
  "Id" "test_user7"
  "Status" 0
  "TraderGroupId" ""
  "Password" "test_user7"
  "Street" ""
  "Name" ""
  "StateOrProvince" ""
  "Country" ""
  "PostalCode" ""
  "Company" ""
  "Email" ""
  "WorkPhone" ""
  "MobilePhone" ""
  "Fax" ""
  "Role" ""
  "FixSession" ""
  "RejectOlderThanMillisec" 0
  "RejectPossibleDuplicate" true
  "CancelOnDisconnect" true
  "Accounts" ["RT_ACCOUNT1" "RT_ACCOUNT2"]
session_id "7a118b4b-6d9f-477b-8af6-6d543dab866a"
```

```
var url = "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/edit_user";
var jsonToSend = {user: {
"City": "Chicago",
"Id": "test_user10",
"Status": 0,
"TraderGroupId": "",
"Password": "test_user10",
"Street": "",
"Name": "test_user10",
"StateOrProvince": "",
"Country": "",
"PostalCode": "",
"Company": "",
"Email": "",
```

```
"WorkPhone" : "",
"MobilePhone" : "",
"Fax" : "",
"Role" : "",
"FixSession" : "",
"RejectOlderThanMillisec" : 0,
"RejectPossibleDuplicate" : true,
"CancelOnDisconnect" : true,
"Accounts" : ["RT_ACCOUNT1", "RT_ACCOUNT2"]
},
    session_id: ses_id};
var request = jQuery.ajax ({
    url: url,
    type: "POST",
    data: JSON.stringify(jsonToSend),
    dataType: "xml",
    contentType: "application/json; charset=utf-8",
}).done(
    function(data)
    {
        setXmlToFrame(data);
    });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.31 Delete User

URL: POST /delete_user

Request (JSON):

```
user_id          "test_user8"
session_id       "49fc9a1f-26c1-4208-81d8-282efcea51d9"

var url =
"http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/delete\_user";
var jsonToSend = {user_id: "test_user8",
                  session_id: ses_id};
var request = jQuery.ajax ({
    url: url,
    type: "POST",
    data: JSON.stringify(jsonToSend),
    dataType: "xml",
```

```
    contentType: "application/json; charset=utf-8",
  }).done(
    function(data)
    {
      setXmlToFrame(data);
    });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

3.32 Update Trader Accounts

URL: POST /update_trader_accounts

Request (JSON):

```
trader_id          "test_user8"
accounts           ["TESTACC3", "TESTACC4"]
session_id        "49fc9a1f-26c1-4208-81d8-282efcea51d9"
```

```
var url = "http://localhost/deployedApp/RiskApiSynchronousWcfService.svc/update_trader_accounts";
var jsonToSend = {trader_id: "test_user8",
                  accounts: ["TESTACC3", "TESTACC4"]
                  session_id: ses_id};

var request = jQuery.ajax ({
  url: url,
  type: "POST",
  data: JSON.stringify(jsonToSend),
  dataType: "xml",
  contentType: "application/json; charset=utf-8",
}).done(
  function(data)
  {
    setXmlToFrame(data);
  });
```

Response (XML):

```
<Confirmation
  xmlns="http://schemas.datacontract.org/2004/07/RiskApi.Common"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Confirm>true</Confirm>
  <ErrorMessage/>
</Confirmation>
```

