**Задача: Реализовать макрос, который преобразует в табличный формат данные, возвращаемые xml-запросом.**

1. Xml-запрос возвращает данные в следующем формате:

<?xml version='1.0' encoding='UTF-8' ?>

<Test TimeStamp="1/13/2016 12:03AM GMT-05:00" version="1.0" WFCVersion="8.0.1.203">

 <Response Status="Success" Timeout="1800" PersonNumber="USER" Action="Logon" PersonKey="-1" Username="user" Object="System">

 </Response>

 <Response Status="Success" action="Export">

 <TrafficPatternImportExport CategoryPath="Organisation/ТД &quot;X&quot;/Y/Z" Date="1/02/2016">

 <VolumeDrivers>

 <TrafficPatternImportExportVolumeDriver Name="Сканы">

 <Intervals>

<TrafficPatternImportExportInterval

Value="0.6013051584835301" Time="10:00"/>

 <TrafficPatternImportExportInterval Value="0.6929770043505282" Time="10:15"/>

 <TrafficPatternImportExportInterval Value="0.6914232442510876" Time="10:30"/>

 <TrafficPatternImportExportInterval Value="0.5655686761963953" Time="10:45"/>

 <TrafficPatternImportExportInterval Value="1.0596643878185208" Time="11:00"/>

 <TrafficPatternImportExportInterval Value="1.326911124922312" Time="11:15"/>

 <TrafficPatternImportExportInterval Value="1.221255438160348" Time="11:30"/>

 <TrafficPatternImportExportInterval Value="1.423244251087632" Time="11:45"/>

 <TrafficPatternImportExportInterval Value="1.7759477936606587" Time="12:00"/>

 <TrafficPatternImportExportInterval Value="1.8287756370416408" Time="12:15"/>

 <TrafficPatternImportExportInterval Value="2.0975761342448727" Time="12:30"/>

 <TrafficPatternImportExportInterval Value="2.824735860783095" Time="12:45"/>

 <TrafficPatternImportExportInterval Value="2.5031075201988813" Time="13:00"/>

 <TrafficPatternImportExportInterval Value="2.0369794903666874" Time="13:15"/>

 <TrafficPatternImportExportInterval Value="2.2700435052827843" Time="13:30"/>

 <TrafficPatternImportExportInterval Value="2.026103169670603" Time="13:45"/>

 <TrafficPatternImportExportInterval Value="2.3601615910503417" Time="14:00"/>

 <TrafficPatternImportExportInterval Value="2.153511497824736" Time="14:15"/>

 <TrafficPatternImportExportInterval Value="2.4440646364201366" Time="14:30"/>

 <TrafficPatternImportExportInterval Value="2.618085767557489" Time="14:45"/>

 <TrafficPatternImportExportInterval Value="2.6196395276569295" Time="15:00"/>

 <TrafficPatternImportExportInterval Value="2.5761342448725917" Time="15:15"/>

 <TrafficPatternImportExportInterval Value="2.7268489745183344" Time="15:30"/>

 <TrafficPatternImportExportInterval Value="2.5807955251709136" Time="15:45"/>

 <TrafficPatternImportExportInterval Value="2.711311373523928" Time="16:00"/>

 <TrafficPatternImportExportInterval Value="2.588564325668117" Time="16:15"/>

 <TrafficPatternImportExportInterval Value="2.478247358607831" Time="16:30"/>

 <TrafficPatternImportExportInterval Value="2.815413300186451" Time="16:45"/>

 <TrafficPatternImportExportInterval Value="2.367930391547545" Time="17:00"/>

 <TrafficPatternImportExportInterval Value="2.517091361093847" Time="17:15"/>

 <TrafficPatternImportExportInterval Value="2.4813548788067123" Time="17:30"/>

 <TrafficPatternImportExportInterval Value="2.706650093225606" Time="17:45"/>

 <TrafficPatternImportExportInterval Value="2.5233064014916096" Time="18:00"/>

 <TrafficPatternImportExportInterval Value="1.9981354878806712" Time="18:15"/>

 <TrafficPatternImportExportInterval Value="2.3321939092604103" Time="18:30"/>

 <TrafficPatternImportExportInterval Value="1.8614045991298944" Time="18:45"/>

 <TrafficPatternImportExportInterval Value="2.0183343691733997" Time="19:00"/>

 <TrafficPatternImportExportInterval Value="2.3492852703542573" Time="19:15"/>

 <TrafficPatternImportExportInterval Value="2.0323182100683654" Time="19:30"/>

 <TrafficPatternImportExportInterval Value="2.175264139216905" Time="19:45"/>

 <TrafficPatternImportExportInterval Value="1.7775015537600993" Time="20:00"/>

 <TrafficPatternImportExportInterval Value="1.7246737103791174" Time="20:15"/>

 <TrafficPatternImportExportInterval Value="1.5273461777501554" Time="20:30"/>

 <TrafficPatternImportExportInterval Value="1.6935985083903045" Time="20:45"/>

 <TrafficPatternImportExportInterval Value="1.3424487259167184" Time="21:00"/>

 <TrafficPatternImportExportInterval Value="1.2802983219390927" Time="21:15"/>

 <TrafficPatternImportExportInterval Value="1.326911124922312" Time="21:30"/>

 <TrafficPatternImportExportInterval Value="1.2663144810441267" Time="21:45"/>

 <TrafficPatternImportExportInterval Value="1.076755748912368" Time="22:00"/>

</Intervals>

 </TrafficPatternImportExportVolumeDriver>

 </VolumeDrivers>

 </TrafficPatternImportExport>

 </Response>

 <Response Status="Success" Action="Logoff" Username="user" Object="System">

 </Response></Test>

1. Все данные, обозначенные в п.1. записываются в одну ячейку Excel-файла.
2. Необходимо преобразовать выгруженные данные в табличный формат в Excel-файле:

|  |  |  |
| --- | --- | --- |
| День | Время | %, прогноза |
| 2 | 10:00 | 0,433989 |
| 2 | 10:15 | 0,6124518 |
| 2 | 10:30 | 0,884202 |
| 2 | 10:45 | 0,9125938 |
| 2 | 11:00 | 0,7097952 |
| 2 | 11:15 | 0,6976273 |
| 2 | 11:30 | 0,9693774 |
| 2 | 11:45 | 0,9734334 |
| 2 | 12:00 | 1,3060231 |
| 2 | 12:15 | 1,4439262 |
| 2 | 12:30 | 1,326303 |
| 2 | 12:45 | 2,1415534 |
| 2 | 13:00 | 1,4195903 |
| 2 | 13:15 | 1,7440681 |
| 2 | 13:30 | 2,3119043 |
| 2 | 13:45 | 1,7927398 |
| 2 | 14:00 | 2,1699452 |
| 2 | 14:15 | 2,7823971 |
| 2 | 14:30 | 2,4214155 |
| 2 | 14:45 | 1,918475 |
| 2 | 15:00 | 1,8657473 |
| 2 | 15:15 | 1,9468668 |
| 2 | 15:30 | 2,1658893 |
| 2 | 15:45 | 2,3159603 |
| 2 | 16:00 | 1,8170756 |
| 2 | 16:15 | 2,8594606 |
| 2 | 16:30 | 2,7499493 |
| 2 | 16:45 | 2,6079903 |
| 2 | 17:00 | 2,9121882 |

,где значение столбца **«День»** = «Date="1/**02**/2016"» (тег: <TrafficPatternImportExport CategoryPath="Organisation/ТД &quot;X&quot;/Y/Z" Date="1/10/2016">),

значение столбца **«Время»** = «Time="**10:00**"» (тег:<TrafficPatternImportExportInterval Value="0.6013051584835301" Time="10:00"/>),

значение столбца **«%, прогноза»** = «Value="**0.6013051584835301**"» (тег:<TrafficPatternImportExportInterval Value="0.6013051584835301" Time="10:00"/>).