The web service to get/create schedules is located at http://<domain>/<site>/webservices/v2/schedules.asmx. To use the data center, the WSDL will be located at <https://xacttime.taserver.com/site/webservices/v2/schedules.asmx?wsdl>.

There is a method in the service endpoint called AddSchedules that takes two parameters, the first is the web services key (like always), the second is an array of instances of a ScheduleItem object. Here is the in-memory structure of the ScheduleItem object:

            int ScheduleID

            int UserId

            string EmployeeNumber

            DateTime Start               <- All dates passed in XML must be ISO compliant (YYYY-MM-DDTHH:MM:SS), the .NET serializer will do this for you in the .NET environment

            DateTime Stop

            DateTime? FlexStart          <- NULLABLE

            DateTime? FlexStop           <- NULLABLE

            int PayTypeId

            int[] LaborLevelDetailIds

The schedule ID property can be anything, it is not actually used to create a new schedule, only for retrieving an existing schedule.

The UserId property is the User ID of the user this schedule is for, and must be less  than or equal to zero. \*A positive non-zero number will result in a ScheduleItem object being ignored.\*

The EmployeeNumber property is the employee number for the user and must be valid. If you pass 1000 schedules to the AddSchedule method and even a single EmployeeNumber is invalid, it will not create any of the schedules passed to it, it will simply fail returning a success status of FALSE.

The Start and Stop properties contain the date/time of the schedule date and time for beginning/ending of the schedule respectively. The values must be valid and non-NULL.

The FlexStart and FlexStop properties contain the date/time of the schedule date and time for beginning/ending of the flextime schedule respectively. The values must be valid if present, and if this is not to be a flextime schedule, both the FlexStart and FlexStop properties should be NULL.

The PayTypeId is the pay type they are to be scheduled for, either one of the system pay types (work, sick, vacation, holiday, etc) or a user-defined custom pay type.

The LaborLevelDetailIds property is an array of int that contains the labor levels that the schedule is to be worked in. The index of the array item is the labor level+1, and the value at the index is the labor level id. Only up to the first 15 items in the array are recognized, although you can store infinitely more in which will be ignored. If you pass less than the 15 recognized labor levels, only those labor levels that are passed are processed, the remainder will be filled with zeroes. Here are some examples:

LaborLevelDetailIds = [0,0,0,0,0,0,0,0,0,0,0,0,0,0,0]  (All labor levels (1-15) are zero and will default to the employee’s default labor level settings)

LaborLevelDetailIds = [21,15,3] (Labor Level 1 (in the zero position, e.g. n+1) will be set to LaborLevelDetailId 21, Labor Level 2 to LaborLevelDetailId 15 and Labor Level 3 to LaborLevelDetailId 3)

Once the array of SchedultItems is filled out, call the AddSchedule method passing the webservices key and the array of objects. The return value is a boolean SUCCESS indicator.

A properly formatted XML SOAP payload for the AddSchedules method call using the examples above should look like the following when POSTed:

<soapenv:Envelope xmlns:soapenv="<http://schemas.xmlsoap.org/soap/envelope/>" xmlns:xac="<http://xacttime.com/>">

   <soapenv:Header/>

   <soapenv:Body>

      <xac:AddSchedules>

         <xac:webServicesKey>?</xac:webServicesKey>

         <xac:scheduleItems>

            <!--Zero or more repetitions:-->

            <xac:ScheduleItem>

               <xac:UserId>0</xac:UserId>

               <xac:EmployeeNumber>ABCDEFG</xac:EmployeeNumber>

               <xac:Start>2015-07-04T00:00:00</xac:Start>

               <xac:Stop>2015-07-04T23:59:59</xac:Stop>

               <xac:FlexStart></xac:FlexStart>

               <xac:FlexStop></xac:FlexStop>

               <xac:PayTypeId>5</xac:PayTypeId>

               <xac:LaborLevelDetailIds>

                  <!--Zero or more repetitions:-->

                  <xac:int>21</xac:int>

                  <xac:int>15</xac:int>

                  <xac:int>3</xac:int>

               </xac:LaborLevelDetailIds>

            </xac:ScheduleItem>

         </xac:scheduleItems>

      </xac:AddSchedules>

   </soapenv:Body>

</soapenv:Envelope>

The example above will schedule employee number ABCDEFG for PayTypeId 5 (Holiday) on July 4th from midnight until 11:59:59PM, Labor Level 1 set to Labor Level Detail ID 21, Labor Level 2 set to Labor Level Detail ID to 15, and Labor Level 3 set to LaborLevelDetailID 3.