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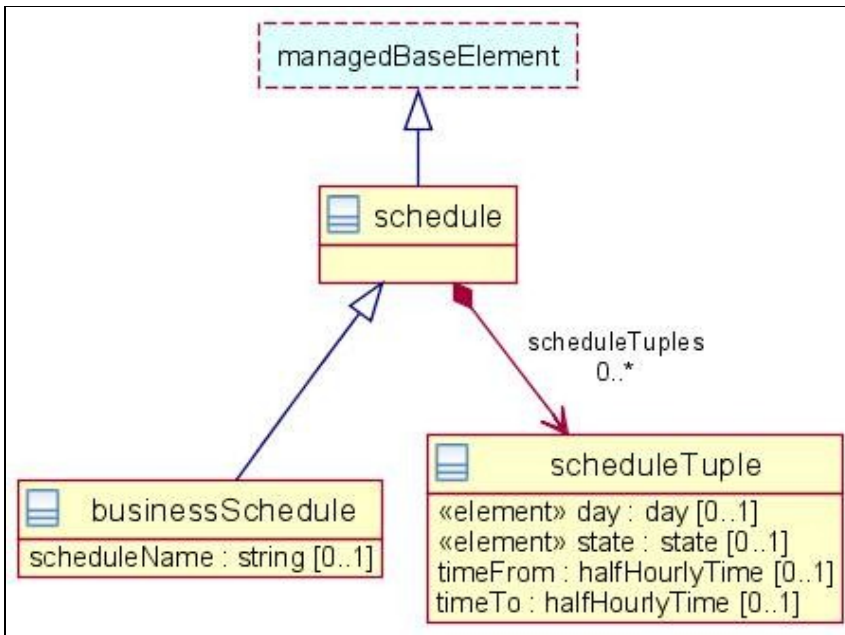
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### **Business Schedule and Holidays**

#### **Classes**

#### **Figure 9: Business Schedule**



**Day**

<b>Class Name</b>	Day ( <i>Enumeration Class</i> )
<b>Extends From</b>	
<b>Description</b>	Enumeration for days of the week.
<b>XML Namespace</b>	http://schedule.model.rest.aesop.cisco.com
<b>Enum Values</b>	SUN, MON, TUE, WED, THU, FRI, SAT, MON_FRI, SAT_SUN, ALL

**HalfHourlyTime**

<b>Class Name</b>	HalfHourlyTime ( <i>Enumeration Class</i> )
<b>Extends From</b>	
<b>Description</b>	Enumeration for dividing 24 Hour day into half hourly slots.
<b>XML Namespace</b>	http://schedule.model.rest.aesop.cisco.com
<b>Enum Values</b>	T_0000 (00:00Hrs), T_0030 (00:30Hrs), T_0100 (01:00Hrs)
	...
	...
	T_2300 (23:00Hrs), T_2330 (23:30Hrs), T_2400 (00:00Hrs)

**State**

<b>Class Name</b>	State ( <i>Enumeration Class</i> )
<b>Extends From</b>	
<b>Description</b>	Enumeration for denoting the state during a given schedule slot. In the context of business schedule it denotes the open or close state.
	http://schedule.model.rest.aesop.cisco.com

<b>XML Namespace</b>	
<b>Enum Values</b>	ACTIVE (business is open), INACTIVE (business is closed)

**ScheduleTuple**

<b>Class Name</b>	ScheduleTuple		
<b>Extends From</b>	BaseElement		
<b>Description</b>	Class representing a single record in the business hour schedule.		
<b>XML Namespace</b>	http://schedule.model.rest.aesop.cisco.com		
<b>Enum Values</b>	ACTIVE (business is open), INACTIVE (business is closed)		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
day	Day		Day of the week to which this tuple applies. The day could be a range value like ALL or MON_FRI or and individual day of the week.
timeFrom	HalfHourlyTime		The start time of the time range.
timeTo	HalfHourlyTime		The end time of the time range.
state	State		Mark the time range represented by this tuple as open (Active) or closed (Inactive).

**BusinessSchedule**

<b>Class Name</b>	BusinessSchedule		
<b>Extends From</b>	Schedule		
<b>Description</b>	Class representing business hours schedule (open and close hours).		
<b>XML Namespace</b>	http://bschedule.model.rest.aesop.cisco.com		
<b>Enum Values</b>	ACTIVE (business is open), INACTIVE (business is closed)		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
scheduleName	String	Length 2 -64	Schedule name
scheduleTuples	Collection <ScheduleTuple>		

		Collection of tuples indicating open and close hours.
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**Holiday**

<b>Class Name</b>	Holiday		
<b>Extends From</b>	ManagedBaseElement		
<b>Description</b>	Class representing a business holiday.		
<b>XML Namespace</b>	http://holiday.model.rest.aesop.cisco.com		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
mmdd	String		Holiday month and day
year	String	Year must be specified as "fixed" or as yyyy. Value could be current -1, current or current + 1 year).	Holiday year
description	String		Holiday description

**Resources**

Resource URI	Operation	Input	Return Value
/businessSchedules	GET (read all business schedules defined)		BaseElementList Containing list of BusinessSchedule objects.
	POST (define a new business schedule)	BusinessSchedule	
/businessSchedules/{schedulesname}	GET (read a business schedule)		BusinessSchedule
	PUT (update a business schedule)	BusinessSchedule	
	DELETE (delete a business schedule)		
/holidays	GET (Read all holidays defined)		BaseElementList Containing list of Holiday objects.
/holidays/fixed	GET (Read all fixed holidays defined)		BaseElementList Containing list of Holiday objects.
	POST (Create a fixed holiday)	Holiday	
/rest/holidays/fixed/(mmdd)	GET (Define a new fixed holiday for date mmdd)		Holiday
		Holiday	

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	PUT (Update a fixed holiday)		
	DELETE (Delete a fixed holiday)		
/holidays/{yyyy}	GET (Read all holidays defined for a given year yyyy)		BaseElementList Containing list of Holiday objects.
	POST (Create a holiday in a given year)	Holiday	
/rest/holidays/{yyyy}/{mmdd}	GET (Define a new holiday for a given year yyyy and date mmdd)		Holiday
	PUT (Update a holiday)	Holiday	
	DELETE (Delete a holiday)		