

Create Custom Constraints

Create a new Custom Constraint called TrainingValidator

```
package com.vertusa.telco.core.constraintvalidators;

import javax.validation.Constraint;
import javax.validation.Payload;
import java.lang.annotation.*;

/**
 * Created by abhay on 04/11/15.
 */

@Retention(RetentionPolicy.RUNTIME)
@Constraint(validatedBy = SampleTrainingValidator.class)
@Target(ElementType.FIELD)
@Documented
public @interface TrainingValidator {

    //this message path should be the fully qualified class name.message
    String message() default
    "{com.vertusa.telco.core.constraintvalidators.TrainingValidator.message}";

    Class<?>[] groups() default{};

    Class<? extends Payload>[] payload() default{};
}
```

Write the constraint Validator in SampleTrainingValidator

```
import org.apache.commons.lang.StringUtils;

import javax.validation.ConstraintValidator;
import javax.validation.ConstraintValidatorContext;

/**
 * Created by abhayphougat on 04/11/15.
 */
public class SampleTrainingValidator implements ConstraintValidator<TrainingValidator, String> {

    @Override
    public void initialize(TrainingValidator trainingValidator) {
        //TODO provide the initialization code.
    }

    @Override
    public boolean isValid(String attributeValue, ConstraintValidatorContext
constraintValidatorContext) {
```

```

        return StringUtils.isEmpty(attributeValue) && attributeValue.matches("(?!0001666)[0-8]
[0-9]{3}-(?!00)[0-9]{4}-(?!0000)[0-9]{4}$" );
    }
}

```

Write your Own Constraint type in the TelcotrainingCore-items.xml

```

<typegroup name="TrainingConstraints">
    <itemtype code="AddharConstraint" extends="AttributeConstraint"
jaloclass="com.vertusa.telco.core.constraints.AddharCardNumberConstraint">
        <description>custom constraint to check for addhar card number format</
description>
        <deployment table="AddharConstraint" typecode="10001"/>
        <attributes>
            <attribute qualifier="annotation" type="java.lang.Class"
redeclare="true">
                <modifiers write="false" initial="true" optional="false"/>
                <defaultvalue>
com.vertusa.telco.core.constraintvalidators.TrainingValidator.class
                </defaultvalue>
            </attribute>
        </attributes>
    </itemtype>
</typegroup>

```

Add localised message file


Telcotrainingcore/resources/Telcotrainingcore/
ValidationMessages.properties

add the message


#Key should be the same that you defined in the TrainingValidator.java for message
com.vertusa.telco.core.constraintvalidators.TrainingValidator.message=The addhar card number is
invalid for the given filed '{type}'.{field}'. Please use a format like 8993-8888-8888

Ant all and Update the system

Create/Add Item - Select desired type




AddharConstraint




AssertFalse constraint

This constraint ensures that a value is false.




AssertTrue constraint

This constraint ensures that a value is true.




Classification NotBlank constraint

Checks whether a classification attribute is empty




Decimal max constraint

This constraint ensures that element defined attributes values don't exceed a max limit.




Decimal min constraint

This constraint ensures that element defined attributes values don't exceed a min limit.




DecimalMax constraint

This constraint ensures that a value must be higher or equal to the specified maximum.




DecimalMin constraint

This constraint ensures that a value must be higher or equal to the specified minimum.




Digits constraint

This constraint ensures that a value must be a number within accepted range.



Dynamic constraint

This constraint ensures that element must evaluate provided expression so it can be interpreted as boolean result.



Future constraint

This constraint ensures that a value must be a date in the future.

Cancel

Next

Now go to admincockpit you should see the new constraint like below when you create a new constraint item.