

```

package edu.wsu.gridstat.publisher.interfaces;

/**
 * <p>Title: DVBaseInterface </p>
 * <p>Description: </p>
 * <p>Copyright: Copyright (c) 2005</p>
 * <p>Company: Washington State University </p>
 * @author Kjell Harald Gjermundrod
 * @version 1.0
 */
public abstract interface DVBaseInterface
{
    /**
     * The <code>getPatternId</code> method is used to return the Id of this pattern type.
     * <BR>
     * @return Returns the pattern id.
     */
    public int getPatternId();

    /**
     * The <code>getDataType</code> method is used to return the dataType of this pattern.
     * <BR>
     * @return Returns the data type of this pattern.
     */
    public int getDataType();

    /**
     * The <code>getDataTypeLength</code> method is used to return the length (in bytes) of the
     * pattern that is produced.
     * <BR>
     * @return Returns the length of the pattern that is produced.
     */
    public int getDataTypeLength();
}

package edu.wsu.gridstat.publisher.interfaces;

/**
 * <p>Title: DVIntInterface </p>
 * <p>Description: </p>
 * <p>Copyright: Copyright (c) 2005</p>
 * <p>Company: Washington State University </p>
 * @author Kjell Harald Gjermundrod
 * @version 1.0
 */
public abstract interface DVIntInterface extends DVBaseInterface
{
    /**
     * The <code>pubSetValue</code> method is used by the publisher to set a new value that is being published.
     * <BR>
     * @param value The value that is being published.
     * @return Returns the current pattern for this variable.
     */
    public abstract int pubSetValue(int value);

    /**
     * The <code>pubSetValue</code> method is used by the publisher to set a new value that is being published.
     * <BR>
     * @param value The value that is being published.
     * @return Returns the current pattern for this variable.
     */
    public abstract int pubSetValue(float value);

    /**
     * The <code>pubSetValue</code> method is used by the publisher to set a new value that is being published.
     * <BR>
     * @param value The value that is being published.
     * @return Returns the current pattern for this variable.
     */
    public abstract int pubSetValue(boolean value);

    /**
     * The <code>pubSetValue</code> method is used by the publisher to set a new value that is being published.
     * <BR>
     * @param value The value that is being published.
     * @return Returns the current pattern for this variable.
     */
    public abstract int pubSetValue(byte[] value);
}

```