

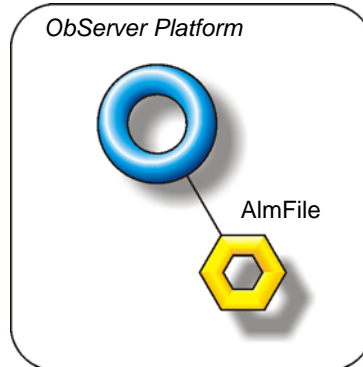
# Product Engineering Guide

## OSM v20 AlmFile v10

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### **Introduction**

The OSM v20 AlmFile v10 module, called AlmFile OSM in this document, receives and stores alarms into a comma-separated file, suitable for use by other applications, such as Microsoft Excel.



When an alarm is written to the AlmFile OSM, it is appended to a file 'AlmFile.CSV'. If the CSV file is in use by another application, the AlmFile OSM creates a temporary file to hold new values. When the CSV file becomes available again, the AlmFile OSM appends the data from the temporary file.

Each time data is added to the CSV file, the size of the file is checked against the specified maximum size. If it exceeds the maximum size, the file is re-built so that it is only 75% of the maximum size.

The directory in which the CSV file is created and held can be specified by the engineer.

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## **Engineering**

### **Step 1 – Install OSM**

The AlmFile OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

### **Step 2 – Plug in AlmFile OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the AlmFile OSM to an available channel. Refer to 'ObServer v10 Application Engineering Guide'.

### **Step 3 – Configure AlmFile Module**

The directory in which to put the comma-separated file, and the maximum size of the file are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

### **Step 4 – Access the Comma-Separated Files**

The AlmFile system stores logged data in comma-separated files within the directory specified. Send alarms to the AlmFile OSM and then use CSV-aware software to view the alarms within the file.

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## Engineering Reference

### Comma-Separated File Format

The alarms are stored in the ALMFILE.CSV file within the specified directory.

The file contains one or more lines of data. The first line of the file contains the text:

```
Device,Point,Condition,Priority,Date,Time
```

Subsequent lines each contain a single alarm, warning or event message in the format:

```
<device>,<point>,<condition>,<priority>,<date>,<time>
```

For example, the file may contain the contents:

```
Device,Point,Condition,Priority,Date,Time
Object Password,User,John Smith logged on,4,16/02/00,17:26:22
Trend System,Boiler Room Temperature,High Alarm,2,16/02/00,18:03:05
```

### Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object <sup>[1]</sup>	Label	R/W	Type
Sc	AlmFile System connected to channel <i>c</i>	-	[AlmFile v10] <sup>[2]</sup>
Mc	AlmFile Module connected to channel <i>c</i>	-	[OSM v20\AlmFile v10]

#### Notes

- [1] The ObServer channel number, *c*, is a number in the range 1...40.
- [2] This object has a variable content and as such requires scanning.