Intrepid Grunt System Integration Module Setup and User Guide

ACFA PSIM 1.1

Last update 05/03/2024

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1 List of Terms used in Intrepid Grunt Integration Module Setup and User Guide

Axxon PSIM Server: a computer that hosts the **Server** installation version of the *Axxon PSIM* software package.

Perimeter Intrusion Detection System (PID): a software and hardware suite designed for monitoring perimeter intrusions.

Intrepid Grunt PID: a PID which employs high-sensitivity cables to pinpoint intrusions to within three meters.

2 Introduction into Intrepid Grunt Integration Module Setup and User Guide

On the page:

2.1 Purpose and Structure of the Guide

The Intrepid Grunt System Integration Module Setup and User Guide is a reference guide for users of the *Intrepid Grunt* software module, which is a part of perimeter intrusion detection system systems based on the *ACFA PSIM* software package.

This Guide discusses the following topics:

1. Uses of *ACFA PSIM* 's perimeter intrusion detection system.
2. Overview of the *Intrepid Grunt* software module.
3. Configuration of *Intrepid Grunt*.
4. Operation of *Intrepid Grunt*.

2.2 Overview of the Intrepid Grunt software module

The *Intrepid Grunt* software module is a component of an *ACFA PSIM*-based perimeter intrusion detection system. This module enables interaction between *ACFA PSIM* and the Intrepid Micropoint cable fence perimeter protection system (manufactured by Southwest Microwave, Inc.).

> **Note.**
>
> For detailed information about the Intrepid Micropoint perimeter fence detection system, consult the manufacturer's documentation.

Before configuring the *Intrepid Grunt* software module, first perform the following steps:

1. Install the *Intrepid Grunt* PID hardware at the secure facility.
2. Connect the *Intrepid Grunt* PID to the Server.

3 Configuring the Intrepid Grunt Integration module

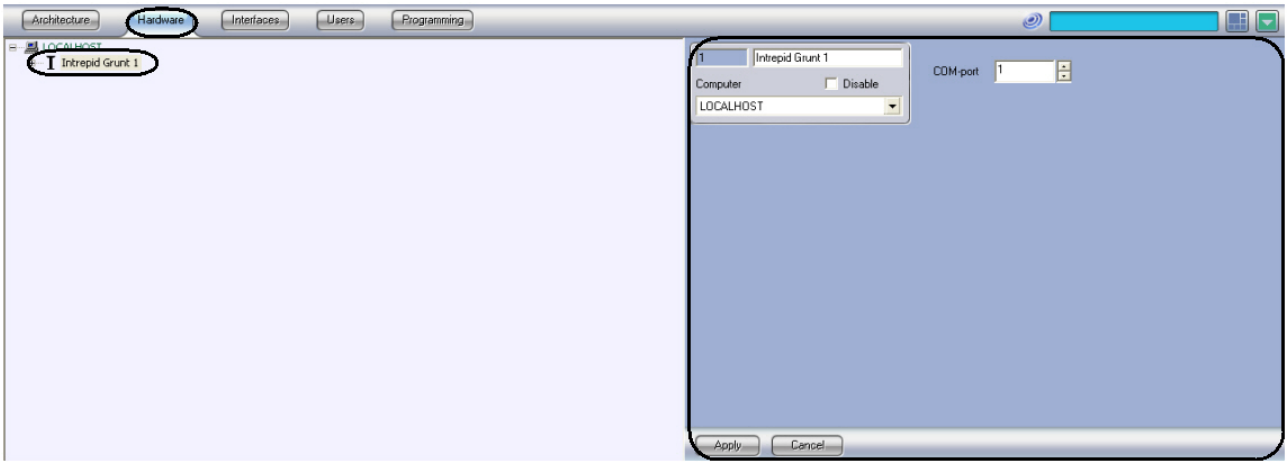
3.1 Steps to configure the Intrepid Grunt integration module

To configure the *Interpid Grun*t integration module:

1. Configure *Intrepid Grunt*'s connection to the Server.
2. Create a **Microtrack Processor Module** object.
3. Configure a Microtrack train.
4. Configure Microtrack Control Segment objects.

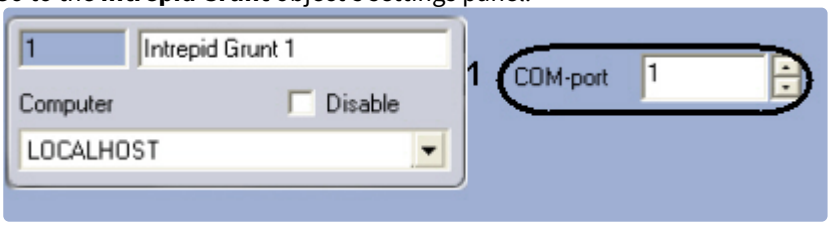
3.2 Configuring Intrepid Grunt's connection to the Server

To configure Intrepid Grunt's connection in *ACFA PSIM*, use the settings panel of the relevant **Intrepid Grunt** object. To find this object, go to the **Settings** dialog box, click the **Hardware** tab, and browse the object tree of the relevant **Computer** object.



To configure Intrepid Grunt's connection to the Server:

1. Go to the **Intrepid Grunt** object's settings panel.



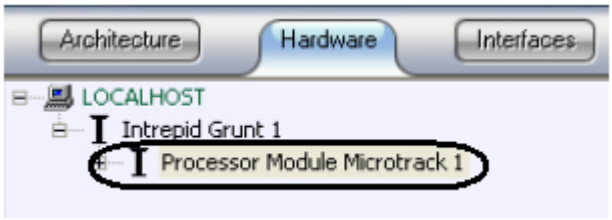
2. With the help of the **up arrow** and **down arrow** buttons, in the **COM Port** field, enter the number of the COM port for the Intrepid Grunt connection (**1**).
3. Click **Apply**.

Configuration of Intrepid Grunt's connection to the Server is now complete.

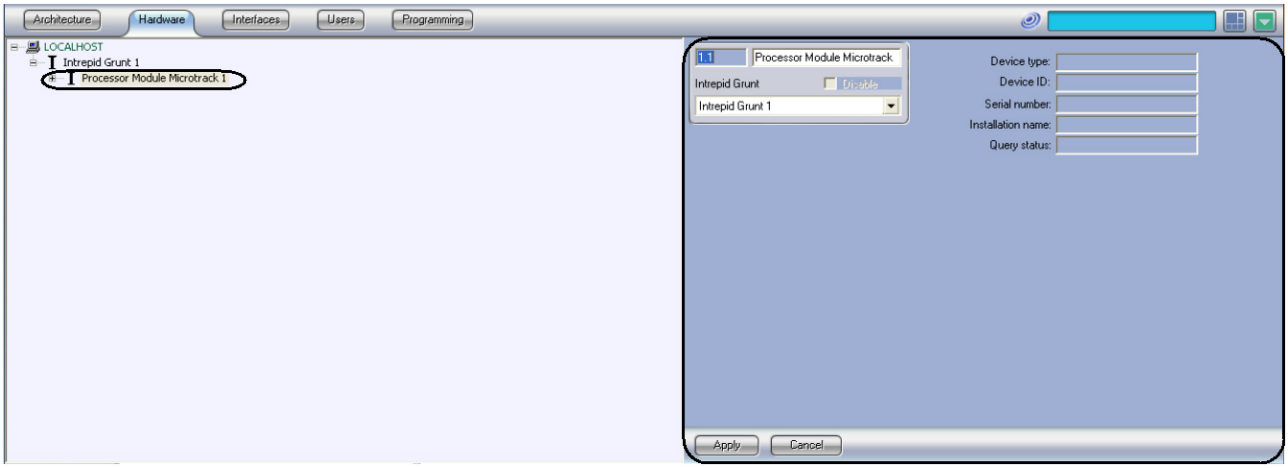
3.3 Creating a Microtrack Processor Module object

To create a **Microtrack Processor Module** in *ACFA PSIM*, in the **Hardware** tab of the **Settings** dialog box, go the the **Intrepid Grunt** object.

> **Note.**
>
> You can create one and only one**Microtrack Processor Module** object for a single **Intrepid Grunt**object. Other objects of this type will be ignored by the system.

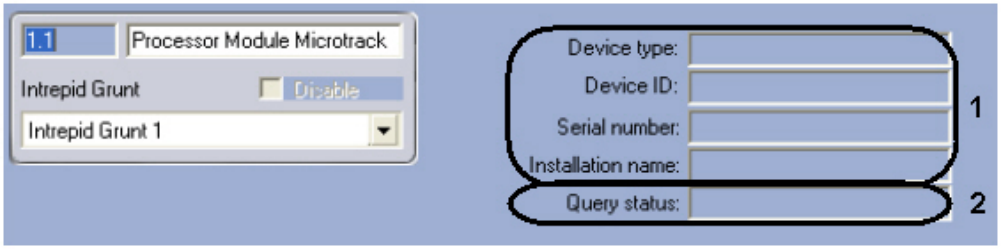


After an object is created, its settings panel displays information about the connected Microtrack processor module.



To view information about a Microtrack Processor Module:

1. Go to the **Microtrack Processor Module** object's settings panel.



2. View information about the connected processor module: type, ID, serial number, and installation name (**1**).

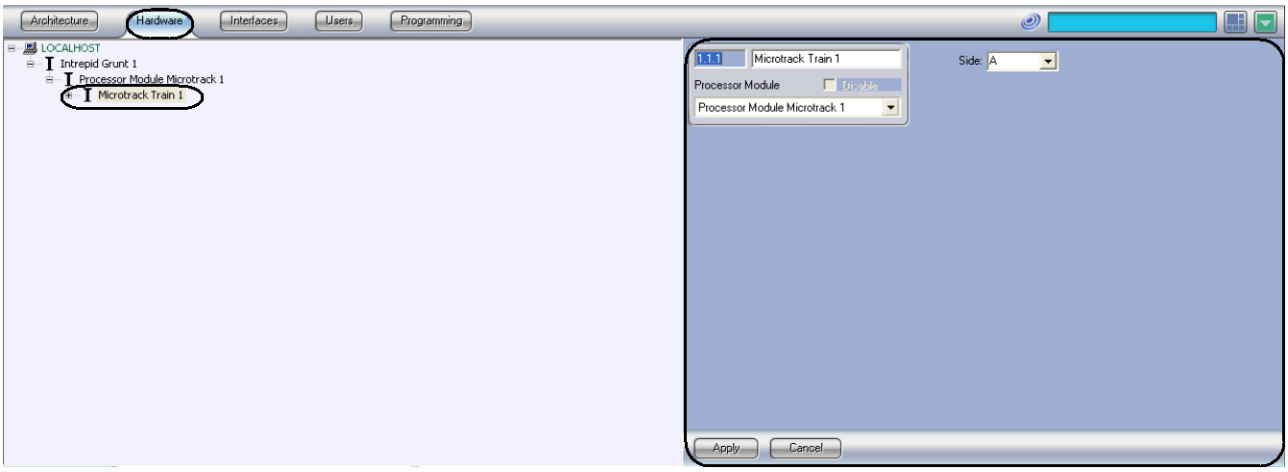
   > **Note.**
   >
   > This information is displayed if the hardware has been connected correctly.

3. View information about the status of processor module queries in the **Query status** field (**2**).

Information about the Microtrack processor module is now provided.

3.4 Configuring a Microtrack train

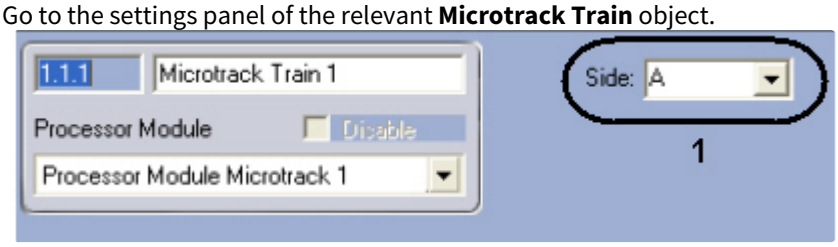
To configure a Microtrack Train object in *ACFA PSIM*, use the settings panel of the relevant **Microtrack Train** object. To find this object, go to the **Settings** dialog box, click the **Hardware** tab, and browse the object tree of the relevant **Microtrack Processor Module** object.



> **Note.**
>
> A Microtrack processor module supports two trains (A, B). Any larger number of trains will cause them to be ignored by the system.

To configure a Microtrack train:

1. Go to the settings panel of the relevant **Microtrack Train** object.

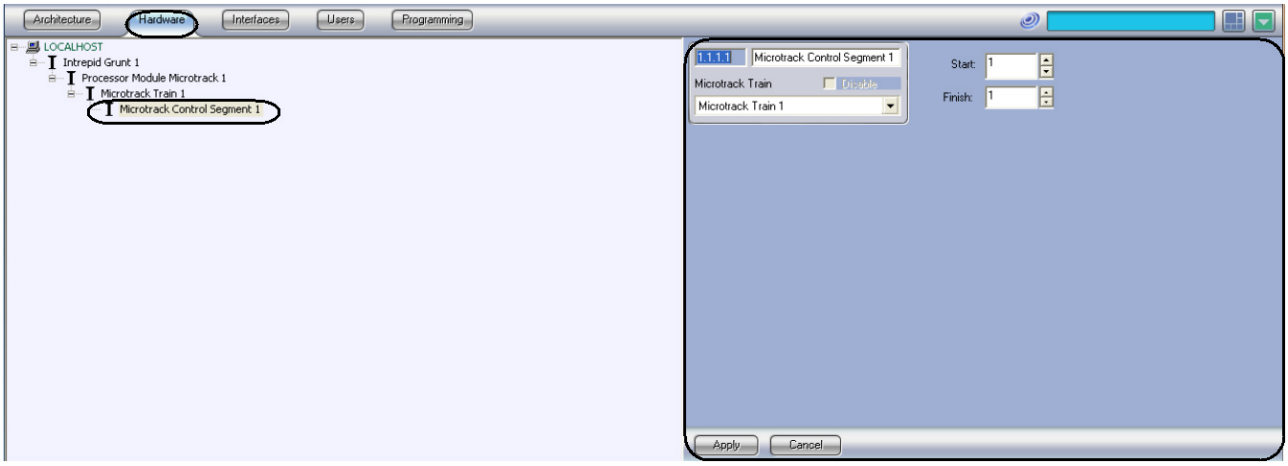


2. In the **Side** drop-down menu, select the ID of a Microtrack cable (**1**).
3. Click **Apply**.

Configuration of the Microtrack train is now complete.

3.5 Configuring a Microtrack Control Segment

To configure a Microtrack train in *ACFA PSIM*, go to the settings panel of the **Microtrack control segment**. To find the settings panel, go to the **Settings** dialog box, click the **Hardware** tab, and browse the object tree of the relevant **Microtrack Train** object.



To configure a Microtrack control segment:

1. Go to the settings panel of the **Microtrack Control Segment** object.

2. In the **Start** field, use the **up arrow** and **down arrow** buttons to indicate the number of the subcell that matches the key point where the control segment begins (**1**).
3. In the **Finish** field, indicate the number of the subcell that matches the key point where the control segment ends (**2**).

> **Note.**
>
> The **Start** and **Finish** fields can contain values in the range1…143. Try to not let control segments overlap.

> **Attention!**
>
> The value in the **Finish** field must not be larger than the value in the **Start** field.

4. Click **Apply**.

Configuration of the Microtrack II control segment is now complete.

4 Operating the Intrepid Grunt integration module

4.1 General information about working with the Intrepid Grunt integration module

To operate the *Intrepid Grunt* integration module, use the following GUI objects:

1. **Map**.
2. **Event viewer**.

Information about configuring these objects is presented in the Axxon PSIM Software Package: Administrator's Guide.

How to work with interface objects is described in detail in the Axxon PSIM Software Package: Operator's Guide.

4.2 Managing a Microtrack Control Segment

To manage a Microtrack Control Segment, go to the **Map** window and use the menu of the relevant **Microtrack Control Segment** object.

Description of **Microtrack Control Segment** menu items is given in the table.

Menu item	Function performed
Alarm processing	Starts the alarm processing process. After the alarm is processed, the control segment switches from alarm status to normal status.