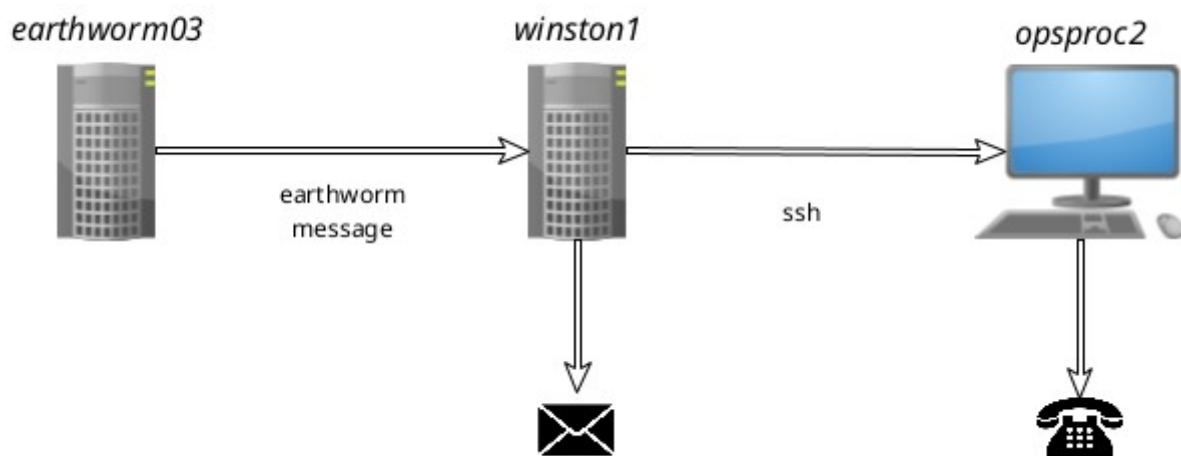


Earthworm Alarms

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OVERVIEW

Computer	Location	Job
earthworm03	Virtual server, MVO	Generate alarms
winston1	Virtual server, MVO	Send email alarms
opsproc2	Venus' workstation	Make phone calls



EARTHWORM03

Earthworm Modules

Module	Parameter File	Comment
ring2coax	ring2coax.d	Sends message to <i>winston1</i> to sound alarm.
rsam2alarm	rsam2alarm.d	
rsam2alarm	rsam2alarm_trem.d	
swarm_alarm	swarm_alarm.d	
test_alarm	test_alarm.d	Daily test at 01:00 UTC.

EARTHWORM03 (Cont.)

Module Setup

rsam2alarm

- Alarm if RSAM goes above set level.
- 60 seconds of data.
- Minimum of 3 stations required.
- 10 minute wait between alarms.

rsam2alarm_trem

- Alarm if RSAM goes above set level.
- 30 minutes of data.
- Minimum of 3 stations required.
- 30 minute wait between alarms.

swarm_alarm

- Alarm if more than 20 events in 60 minutes.
- 60 minute wait between alarms.

Testing The Alarm

- Edit *test_alarm.d* to add time of test.
- Restart *test_alarm*.
- Wait until alarm has sounded.
- Edit *test_alarm.d* to remove test.
- Restart *test_alarm*.

WINSTON1

- Earthworm modules
 - *coaxtoring*
 - *sound_alarm*
- Script to send alarms
 - */home/wwsuser/earthworm/earthworm_7.10/bin/alarm_send_heli.sh*
 - Email includes partial helicorder plot and channel plot.
 - Email alarm delayed by 2 minutes, to allow data collection for plots.
 - Runs script to dial phones on opsproc2 over ssh.

OPSPROC2

- Script to dial phones
 - */home/seisan/src/alarm_dialer/alarm_dialer.sh*
- Dials phones using USB modem plugged in to back of rack.
 - External phone line: 491-8870
 - Calls numbers in file *alarm_numbers.txt*.