
Adaptive Robustness Management Agent

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Table of Contents

Overview	1
Setup	1
Required Overlays	1
Optional Overlays	1

Overview

This document describes the setup and use of the *Adaptive Robustness Agent Liveness Defense* (a.k.a. AR-UC1 or simply "the sledgehammer defense"). This defense provides components for detecting and restarting dead agents. The components may be deployed as a stand-alone defense or configured as part of an integrated suite of robustness defenses. In the latter case a "Defense Coordinator" is used to mediate defense actions.

Setup

Required Overlays

The table below defines the minimal configuration required for the Agent Liveness defense. These overlays are provided in .zip archive files that are installed by simply unzipping the files the top level directory of the Cougar install path. The overlays augment the capabilities provided by the Cougar core components and provide the essential jar files and configuration data for the detection and restart of dead agents.

Table 1. Required Overlays

Name	Purpose
MIC Mgmt Agent	Provides manager agent components for agent liveness
Objs Sensors	Provides Heartbeat and Ping sensors
Robustness common	Provides ACME rules for creating ARManager and robustness community definition

Optional Overlays

Table 2. Required Overlays

Name	Purpose
OBS Coordinator	Defense coordinator components for mediating multiple defenses.
OBS Common	
Telcordia believability/co-ordinator	