











































Memory Requirements of the SVM						
Optimisation	Code	Data				
-O3	3,818 Byte	476 Byte				
-Os	2,838 Byte	476 Byte				
Compiled for ARM-Cortex-M3, using the Code Sourcery 2009q1 arm-none-eabi toolchain. The figures include the Supervisor and Interpreter tasks, and their helper functions. It does not include any data memory for the Guest-Task.						
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Impac	t on Me	emory	Require	ements	Altreonic		
Semaphore Loop without Safe Virtual Machine:							
Filename	Text	Data	Bss	Dec	Hex		
ArmNode	4068	892	1708	6668	0x1a0c		
Semaphor Filename	re Loop wit Text	h the Safe _{Data}	Virtual Mae Bss	chine: Dec	Нех		
Semaphor Filename ArmNode	re Loop wit <mark>Text</mark> 8140	h the Safe Data 1736	Virtual Mae Bss 4736	chine: Dec 14612	Hex 0x3914		
Semaphor Filename ArmNode Task_svm	re Loop wit Text 8140 696	h the Safe Data 1736 24	Virtual Mae Bss 4736 60	chine: Dec 14612 780	Hex 0x3914 0x30c		
Semaphor Filename ArmNode Task_svm Compiled for toolchain, with	re Loop wit Text 8140 696 ARM-Cortex- compiler opti	h the Safe Data 1736 24 M3, using the misation –Os.	Virtual Mae Bss 4736 60 e Code Sourc	chine: Dec 14612 780 ery 2009q1 a	Hex 0x3914 0x30c rrm-none-eabi		











