

Building Turris GateWay image with musl C library

Errors and Challenges

	Error/Issues	Layer and recipe	Fix
1	error: storage size of 'tv' isn't known struct timeval tv;	rdk/components/	added header files like at the below path src/rdk_dynamic_logger.c +#include <stdlib.h> +#include <sys/time.h>
2	ERROR: Nothing PROVIDES 'glibc'	meta-turris	DEPENDS_dunfell += "msgpack-c musl rtmessage"
3	ERROR: Nothing PROVIDES 'libxcrypt' meta-rdk-ext/recipes-connectivity/ppp/ ppp_2.4.8.bb DEPENDS on or otherwise requires it) libxcrypt was skipped: PREFERRED_PROVIDER_virtual/crypt set to musl, not libxcrypt NOTE: Runtime target 'ppp' is unbuildable	meta-rdk-ext/recipes-connectivity	PROVIDES = "virtual/crypt"
4	error: format '%ld' expects argument of type 'long int', but argument 6 has type 'suseconds_t' {aka 'long long int'} [-Werror=format=]	rdk/components/opensource /rtmessage/	sprintf(buffer, "%.2d:%.2d:%.2d.%3lld",
5	error: 'PTHREAD_ERRORCHECK_MUTEX_INITIALIZER_NP' undeclared here (not in a function) static pthread_mutex_t MTX = PTHREAD_ERRORCHECK_MUTEX_INITIALIZER_NP;	meta-cmf-broadband/recipes-iot /zilker-sdk/zilker-sdk_git.bb	CFLAGS += "-pthread"
6	error: undefined reference to 'timelocal'	zilker-sdk/git-r0/git/source/services /automation/core/src	extern time_t timelocal (struct tm * __tp) __THROW; File name : automationSunTime.c