# EPICS How-Tos

EPICS

Sep 01, 2023

# CONTENTS


1 Getting started 3

2 Building EPICS 5

3 Applications 7

4 Collaboration 9

5 Writing Drivers and Device Support 11

6 Infrastructure and Other 13

https://docs.epics-controls.org/projects/how-tos/en/latest/ is now deprecated/archived in favor of https://docs.epics-controls.org/en/latest/.

All pages of https://docs.epics-controls.org/projects/how-tos/en/latest/ have been migrated to https://docs.epics-controls.org/en/latest/.

All the existing links of https://docs.epics-controls.org/projects/how-tos/en/latest/ (listed below) will now redirect you to the rigth pages in https://docs.epics-controls.org/en/latest/.

CHAPTER

ONE

# GETTING STARTED


- Installation on Linux/UNIX/DARWIN (Mac)
- Packages required for EPICS on Centos 8
- Creation of an Input/Output Controller (IOC)
- Installation on Windows

CHAPTER

TWO

# BUILDING EPICS

- How To Port EPICS to a new OS/Architecture
- Getting Started with EPICS on RTEMS 4
- Configuring vxWorks 6.x
- Configuring Tornado/vxWorks 5.5.x
- How To cross compile EPICS and a IOC to an old x86 Linux system

CHAPTER

THREE

# APPLICATIONS

- Common Database patterns

CHAPTER

FOUR

# COLLABORATION

- How to run an EPICS Collaboration Meeting

CHAPTER

FIVE

# WRITING DRIVERS AND DEVICE SUPPORT


- How to Avoid Copying Arrays with waveformRecord

CHAPTER

SIX

# INFRASTRUCTURE AND OTHER

- How to find which IOC provides a PV