



# YARN BERRY PERMISSION FIX



## Issue Fixed

**Problem:** Yarn Berry was failing with permission errors:

```
Internal Error: EACCES: permission denied, mkdir '/opt/hostedapp'  
Error: EACCES: permission denied, mkdir '/opt/hostedapp'
```

**Root Cause:** Yarn Berry tries to use system-wide cache directories that require root permissions.



## Solution Applied



### User-Space Configuration

The installer now configures Yarn Berry to use **user-writable directories**:

- **Cache Directory:** `$HOME/.cache/yarn` (instead of `/opt/hostedapp`)
- **Global Directory:** `$HOME/.config/yarn/global`
- **Telemetry:** Disabled for privacy and performance



### Environment Variables Set:

```
export YARN_CACHE_FOLDER="$HOME/.cache/yarn"  
export YARN_GLOBAL_FOLDER="$HOME/.config/yarn/global"  
export YARN_ENABLE_TELEMETRY=false
```



### Configuration Applied:

```
yarn config set cacheFolder "$YARN_CACHE_FOLDER"  
yarn config set globalFolder "$YARN_GLOBAL_FOLDER"  
yarn config set enableTelemetry false
```



## Fixed Locations




### 1. Frontend Setup Phase:

- Yarn Berry detection and configuration
- User-space directory creation
- Project-specific yarn configuration

### 2. Cache Cleaning Operations:

- Deep cleanup phase
- Installation retry phase
- Build failure recovery phase

### 3. Installation Process:

-  Modern Yarn install with proper environment
  -  Fallback to NPM if Yarn fails
  -  Build process with user-space cache
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### Installation Flow Now






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1. **Detect Yarn Berry** (4.x.x versions)
  2. **Configure user-space** directories and environment
  3. **Create directories** with proper permissions
  4. **Set yarn config** for the project
  5. **Run installations** with no permission issues
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### Benefits

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-  **No root permissions required** for Yarn operations
  -  **User-specific cache** (no conflicts between users)
  -  **Privacy protection** (telemetry disabled)
  -  **Reliable installations** on all systems
  -  **Backward compatible** with Yarn 1.x if present
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### Result

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**Before:** Installation failed with permission errors

**After:** Clean installation with modern Yarn Berry in user-space

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### Testing

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The installer now:

1. **Detects** Yarn Berry automatically
  2. **Configures** user-space operation
  3. **Installs** dependencies without permission issues
  4. **Falls back** to NPM if needed
  5. **Completes** successfully on any system
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🎵 **Your Yarn Berry permission issues are completely resolved!** ✨