

sm\_dance\_bot\_warehouse  
::cl\_nav2z::CpSquareShapeBoundary  
::getForwardDistance

sm\_dance\_bot\_warehouse  
\_2::cl\_nav2z::CpSquareShapeBoundary  
::getForwardDistance

sm\_dance\_bot\_warehouse  
\_3::cl\_nav2z::CpSquareShapeBoundary  
::getForwardDistance

cl\_nav2z::Pose::getYaw

```
graph LR; A["sm_dance_bot_warehouse  
::cl_nav2z::CpSquareShapeBoundary  
::getForwardDistance"] --> D["cl_nav2z::Pose::getYaw"]; B["sm_dance_bot_warehouse  
_2::cl_nav2z::CpSquareShapeBoundary  
::getForwardDistance"] --> D; C["sm_dance_bot_warehouse  
_3::cl_nav2z::CpSquareShapeBoundary  
::getForwardDistance"] --> D;
```

The diagram illustrates a data flow or dependency. On the left, there are three rectangular boxes, each containing a string representing a state machine (sm\_dance\_bot\_warehouse) and a method call (::getForwardDistance) on a class (cl\_nav2z::CpSquareShapeBoundary). The first box is for the main state machine, the second for a sub-state machine (sm\_dance\_bot\_warehouse\_2), and the third for another sub-state machine (sm\_dance\_bot\_warehouse\_3). Arrows from each of these three boxes point towards a single rectangular box on the right. This box contains the text cl\_nav2z::Pose::getYaw, which represents a method call on a class (cl\_nav2z::Pose). The box on the right is shaded gray, while the boxes on the left are white with black borders.