

# Module 7

## DevOps Tools:

Unique value:

Notable features:

1. CI - BAMBOO

-Unique value:

-Notable features: Very hard to get to start running.

## Timing Results:

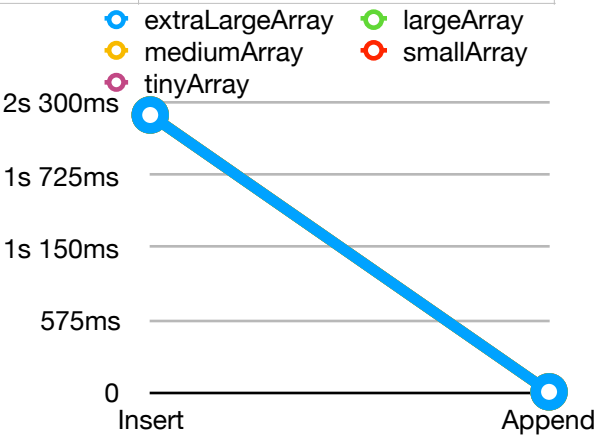
1st Test-

Results for the extraLargeArray  
insert 1.989456636 s  
append 8.862091 ms

2nd Test (all Arrays)-

Timing Results	Insert	Append
extraLargeArray	2.202408053 s	4.361431 ms
largeArray	2.202408053 s	4.361431 ms
mediumArray	2.202408053 s	4.361431 ms
smallArray	2.202408053 s	4.361431 ms
tinyArray	2.202408053 s	4.361431 ms

Summary: The insert is running faster as it is only having to place the element at the start of the array and then return that result. The append is having to search to the end of each array and then place the element into that array. They all run consistent as they are all Linear time complexities.



Results for the extraLargeArray

insert 2.202408053 s

append 4.361431 ms

Results for the largeArray

insert 2.202408053 s

append 4.361431 ms

Results for the mediumArray

insert 2.202408053 s

append 4.361431 ms

Results for the smallArray

insert 2.202408053 s

append 4.361431 ms

Results for the tinyArray

insert 2.202408053 s

append 4.361431 ms