

S. No.	ArrayList	Vector
1	ArrayList is <b>not synchronized</b> .	Vector is <b>synchronized</b> .
2	ArrayList increments <b>50%</b> of the current array size if the number of elements exceeds its capacity.	Vector increments <b>100%</b> , i.e., doubles the array size if the total number of elements exceeds its capacity.
3	ArrayList is <b>not a legacy class</b> . It was introduced in <b>JDK 1.2</b> .	Vector is a <b>legacy class</b> .
4	ArrayList is <b>fast</b> because it is non-synchronized.	Vector is <b>slow</b> because it is synchronized; in a multithreading environment, it holds other threads until the lock is released.
5	ArrayList uses the <b>Iterator</b> interface to traverse the elements.	Vector can use either the <b>Iterator</b> interface or the <b>Enumeration</b> interface to traverse the elements.
6	ArrayList performance is <b>high</b> .	Vector performance is <b>low</b> .
7	Multiple threads can access it without locks.	Only one thread is allowed at a time.