

Token Bucket Algorithm	Leaky Bucket Algorithm
It depends on tokens.	It does not depend on tokens.
If bucket is full, token is discarded but not the packet.	If bucket is full, then packets are discarded.
Packets can only transmit when there are enough tokens.	Packets are transmitted continuously.
Allows large bursts to be sent at faster rate. Bucket has maximum capacity.	Sends the packet at a constant rate.
The bucket holds tokens generated at regular intervals of time.	When the host has to send a packet , packet is thrown in bucket.
If there is a ready packet , a token is removed from Bucket and packet is send.	Bursty traffic is converted into uniform traffic by leaky bucket.
If there is no token in the bucket, then the packet cannot be sent.	In practice bucket is a finite queue outputs at finite rate.