

Chapter number	Software required (with version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
1	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free			<ul style="list-style-type: none"> • http://www.oracle.com/technetwork/java/javase/downloads/index-jsp-138363.html • http://lucene.apache.org/solr/mirrors-solr-latest-redir.html 	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
2	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
3	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
4	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux

5	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
6	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
7	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
8	<ul style="list-style-type: none"> • Java 8 • Apache Solr 7.0 or later 	Free				64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux

9	<ul style="list-style-type: none"> • JDK 8 • Apache Solr 7.0 or later • Ruby • rsolr • Python • pysolr 	Free			<ul style="list-style-type: none"> • http://www.oracle.com/technetwork/java/javase/downloads/index-jsp-138363.html • http://lucene.apache.org/solr/mirrors-solr-latest-redir.html • https://rubyinstaller.org/downloads/ • http://www.rubydoc.info/gems/rsolr • https://www.python.org/downloads/ • https://github.com/django-haystack/pysolr 	64 bit architecture, 2 GHz CPU, 4GB RAM, at least 2GB of hard disk space available	Windows, Mac, or Linux
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