



Resources for Socialcast Administrators  
ON-PREMISE

OCTOBER 2013

**The Socialcast On-Premise deployment option is ideal for companies with demanding data and privacy requirements. With an On-Premise deployment, your Socialcast community operates behind your firewall for total control. The On-Premise option is specifically designed for companies in highly regulated industries that must comply with HIPPA, Sarbanes-Oxley, or EU data privacy rules.**

## Socialcast On-Premise Overview

With the On-Premise option, you receive Socialcast as a VMware virtual appliance that you can install in your virtualized environment. Within a matter of hours, you can deploy and configure Socialcast, usually on existing hardware. Our update server provides access to software updates that you can download and install at your convenience. If you need to expand the size of your community, you can simply add a new node to the Socialcast cluster.

All Socialcast features are available with On-Premise deployments. VMware Professional Services can provide additional functionality including automatic account provisioning, syncing through Lightweight Directory Access Protocol (LDAP), and Single Sign-On (SSO).

## Is On-Premise Right for you?

Socialcast offers several different deployment options to meet different requirements – Multi-Tenant SaaS, Private Cloud, and On-Premise.

On-Premise option may be the best choice if your company has:

- Security, privacy, or regulatory mandates requiring firewall protection
- A policy for managing all enterprise applications behind the firewall
- Technical infrastructure to add Socialcast
- VMware ESX servers installed and in production
- Sufficient IT personnel to set up and maintain Socialcast
- Capacity to scale to tens of thousands of users over time

## Configuration Guidelines

Each Socialcast On-Premise deployment requires both a QA cluster and a production cluster. Cluster sizing is highly dependent upon usage and may increase (or decrease) over time. Typical configurations:

- 5 node cluster for up to 10,000 users
- 15 node cluster for up to 30,000 users
- 20 node cluster for up to 50,000 users

*Note: Your configuration will vary based on the frequency and type of usage by employees. These configurations are only a guide.*

Each QA and production cluster requires the following per appliance:

- Socialcast On-Premise image from VMware
- 4 vCPUs (x86 – 64)
- 4 – 8 GB memory
- 20 GB appliance image
- 50 GB additional storage (provided by customer as a virtual disk)
- SMTP connection and configuration (IMAP optional)

### QA Cluster

The purpose of a QA cluster is different for every customer. It may be used for stress testing, integration testing, or basic new feature reviews depending on customer preferences. Sizing will depend on the purpose of the cluster, but can range from one node to as many as are needed to run your production cluster.

### Production Cluster

The production cluster is the environment that all users will access. Sizing will depend on the number of employees using Socialcast, integrations with other business systems, and expected usage among members of the community.

At a minimum, production clusters should have 5 nodes, and may grow to more than 20 nodes depending on usage and other factors.

## Installation Process

Setting up Socialcast On-Premise occurs in two phases involving the Socialcast Sales Engineering team and/or VMware Professional Services. Socialcast recommends that all customers have a QA cluster and a production cluster (installed separately). The installation process is as follows:

- Download and provision the Socialcast virtual appliance
- Boot the Socialcast cluster
- Configure the cluster using the web-based Socialcast Cluster Management Console (SCMC)

### Phase 1: Setting up the QA Cluster

A Socialcast representative will work with you to set up an evaluation cluster; this will eventually become the QA cluster. The representative can also assist with the setup of the SCMC management panel. Setup is usually accomplished via phone with a remote screen-sharing session.

*One week prior to your setup call, you will need to provide at least one specific use case for the QA cluster in addition to the following information:*

- Geographic distribution/number of concurrent users of Socialcast
- Rollout plan to these users
- Special uses, such as the Town Halls functionality
- Business continuity requirements, such as for disaster recovery

### Phase 2: Setting up the Production Cluster

Once a customer has entered into a contract with VMware, the Socialcast Professional Services team will assist with setting up, testing, and optimizing the production cluster. This fee-based service is required for all customers launching Socialcast On-Premise.

The Socialcast Cluster Management Console (SCMC) is also used on an ongoing basis to update software and expand the cluster. Socialcast will send you a link to an image that you will download and install. Once you have set up your virtual appliance, provision the image with the following properties:

- SMTP connection and authentication configuration
- IMAP connection and authentication configuration (optional)
- Configuration details for:
  - IP for each node (may be provided by DHCP)
  - DNS records for each node
  - HTTP/S proxy (if necessary or desired)
  - Passwords for Database root, Database app, SCMC Admin, Socialcast Admin, Linux root password, Linux maintainer password

Socialcast On-Premise is designed for out-of-the-box simplicity. There should be no other software packages installed on your Socialcast virtual appliance. Socialcast handles everything in the stack from the OS level up.

Your IT team manages the virtualization infrastructure and external dependencies, specifically On-Premise nodes, directory integration, email and ESX server. More details can be found at [developers.socialcast.com](http://developers.socialcast.com).

## Variables that Impact Cluster Sizing and Performance

The nature of Socialcast as an evolving private social network makes it different from many other types of enterprise software. Therefore, IT should prepare for variations in implementation and growth as the software becomes more widely used across the organization. A best practice is to add a new VM when usage gets to 75 percent of existing capacity.

## Learn More

Visit [Socialcast On-Premise](http://socialcast.com/on-premise) to learn more about installing, managing, and troubleshooting your On-Premise deployment.