

# Introduction to KumoScale for Ansible

This section documents the KumoScale components available for a deployment for bare-metal using Ansible®.

## Introduction

KumoScale™ software is designed to interoperate with popular orchestration frameworks, but also can be readily integrated with open source or proprietary automation frameworks via the REST API. The Ansible package contains the following components:

- **Ansible Modules** that may be used to configure KumoScale storage nodes, provision volumes, and establish the building blocks for a resilient KumoScale solution. A module is essentially an API translator, that converts commonly needed functions, such as creating a volume, into the API of the KumoScale target system.
- **Ansible Playbooks** for configuring KumoScale and provision KumoScale storage. A playbook is a script that embeds the logic necessary to accomplish a task, and typically makes use of one or more modules.
- **Variable file** for specifying the configuration parameters for your deployment environment. In most cases, a data center DevOps engineer edits this file prior to provisioning storage volumes.
- **Initiator client installation software** containing the installation files need for the client on the application initiator (host). This includes the KumoScale Agent which supports modules and playbooks. The agent has two functions:
  1. It assists in connecting new volumes and mounting the desired local file system, and
  2. It monitors and reports on the health of volume connections.

## Intended Audience

This documentation is written for storage administrators and DevOps engineers and assumes the reader is familiar with KumoScale software terminology and processes.

## Documentation

Readers who need to familiarize themselves with KumoScale terminology, should review the following documentation before proceeding:

- [KumoScale Software Architecture Overview](#) provides an architectural overview of KumoScale software for all environments including bare metal.
- [KumoScale User Guide](#) describes KumoScale software features and the procedures for implementing a scale-out storage system built on the NVMe™
- [KumoScale Cross Domain Resiliency Solution Brief](#) describes the KumoScale CDDR solution for all environments including bare metal.

Next: [KumoScale Deployment for Bare Metal Using Ansible](#)

