



Conrail[®] Web Pre-Launch Planning

Software Version 6.0.X

CORPORATE HEADQUARTERS

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Revision 2.0



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Introduction

This document provides guidelines to ensure that the build, setup and your implementation of OneRain's Contrail® Web hosted service proceeds smoothly. It provides an overview of requirements and some additional information to prepare for the launch of your web site.

This document is intended to provide a generic guideline as each organization has many variables, including the number of users, size of system, etc.

About Contrail Web

OneRain's easy-to-use data and graphical visualization software tools provide historical and real-time sensor monitoring data with alarm and notification capability accessible from any web-enabled device. Contrail Web is the annual subscription edition of OneRain's Contrail enterprise-level software solution. We collect data in real time via the Internet and serve them from our multi-tenant hosted enterprise.

Contrail Web hosted service is an annual fee based on fixed and variable pricing structures. The key fixed components support the software, web site, standard data agents used to integrate alternate gauge sources into Contrail, feature enhancements throughout the year, and ongoing technical support. The variable pricing components are based on custom data agents, data exchange outputs, as well as the number of sensors stored in the program. The software subscription annual renewal fee is subject to change based on the variable component options

Customer Pre-Launch Checklist

There are certain steps that you must take before the launching of Contrail Web can take place. We recommend that you read this document in its entirety in order to fully understand the pre-planning requirements. A **checklist on page 7** of this document will assist you in coordinating and planning the tasks.

Planning your Contrail Web Launch

The three key areas of consideration to smooth the process are:

- Time
- Pre-Launch Plan
- Services/Training

Time

Following receipt of a purchase order/contract, please allow one to two weeks prior to implementing your Contrail Web web site to allow for pre-launch planning, build and setup.

Pre-Launch Plan

Involve and get a commitment from all appropriate personnel for your pre-launch plan; create a cross-functional team (administrators, end users, management, etc.) with a designated lead.

The following should be considered as part of your pre-launch plan.

✓ **Understand Contrail Web Build and Setup Requirements**

- **Theming Contrail's user environment** to match your organization's look and feel. Choose an existing web site as the template for the theme, or collect logo images, color swatches to be used.
- **Maps.** Calculate the extents of your map regions in decimal degrees. Contrail can host multiple map regions, offering regional and zoomed in views.
- **Site and Sensor Definitions** (see <http://contrail.onerain.com/help/Import.xls> to download template for minimum requirements for site and sensor creation).
- **Identify site groupings** such as watersheds, water basins, fire borders, or other logical groups or views.
- **Site and Sensor Meta Data.** Collect additional information to enhance the Site and Sensor metadata. Site images, maintenance or public notes about the installations, sensor thresholds, and compile historic events such as maximum values during storms.
- **Criteria for Sensor Types.** Determine default validation criteria for Sensor Types. The default validation will be used as the baseline for new sensors.
- **Alarms and Notifications.** Consider types of notifications and alarm evaluations to be used in real-time monitoring.
- **Users and Privileges.** Consider groups and users access and privilege levels.
- **Public Web Site Option?** The user environment is a read-only view of the system that allows you to access Web Content, Maps, Site and Sensor status and data. You may have access control through a login/password screen, or via a Public web site (no password). If you have chosen the Public web site option, OneRain will provide a hosted sub-domain (e.g., myagency.onerain.com). If you would like your Contrail Public web site to appear under your organization's own domain URL, you will need to set up a network URL address that is mapped to the OneRain hosted sub-domain.

For example: **mydepartment.myagency.org points to host myagency.onerain.com**

Hardware

You may require a serial-to-IP connection to deliver your ALERT/ALERT2™ network data directly to OneRain.

- IP/Serial Port(s): [Digi PortServer® TS](#) devices (minimum 2- or 4- port recommended).*
- Custom cables or adapters necessary to split existing serial data feed.*

*NOTE

A **Custom Serial-to-IP Connection Kit** is available to purchase from OneRain. The device will be pre-programmed and pre-configured by OneRain for your specific site requirements for ease of installation and setup.

Contrail Web Training

Contrail is a dynamic product with many features. Our Webinar training ensures you gain the maximum value from your OneRain software and products and enables you to confidently utilize the product in its entirety. OneRain provides in-depth end-user and administrator training with your own data. Training includes:

- ✓ **Contrail Administrator Interface:** Setting up users and authorizing privilege levels, establishing sites and sensors, creating validation formulas, setting thresholds and creating alarm rules and notifications, acknowledging and clearing alarms, accessing alarm logs, accessing standard maintenance reports, modifying themes, adding content and links.
- ✓ **Contrail User Training:** Detailed user interface, viewing data with map view and site lists; drilling down to sensor data. Use of single and multiple graphs. Retrieving historical data and exporting data. Overview of detailed help system.

Contrail Web Features

Features	Contrail Web
Web Accessible Software	√
Mobile Access (smartphone, tablet...)	√
Web Styling and Custom Branding	√
Web Content Management	√
File and Image Management	√
Bookmarks	√
On-site Mission Critical Database	-
Hosted Service	√
Processing and Performance Configuration	-
Reload Metadata – Immediate Updates	-
Unlimited Sensors	+
Role Based User Privileges	√
Multi-Year Data Queries	-
Multi-Time Zone Support	√
Multi-Sensor Alarms	√
Notifications (one alarm, multiple deliveries)	√
Map View with Layers	√
Unlimited Custom Maps	+
Rain Gauge Display	√
Optional Rainfall Overlay	-
OneRainware™ Radar Rainfall Displays	√
Graphing (date selection and real-time mode)	√
Sensor Data Export (Microsoft® Excel / CSV)	√
Data Editing (with audit trail)	√
Data Revalidation (with audit trail)	√
Real-Time Data Validation	√
Incoming Raw Data Viewer	√
Automated and Manual Data Entry	√
Equation Support	√
Ratings Tables (with bulk upload)	√
Bulk Site and Sensor Configuration	-
Synthetic Sensors	√
Online Reports	√
Custom Online Reports	-
Public Web Site Option	+
Read Only Server Option	-
Server Replication	√
Multi-Client (first 5 client web sites)	-
Additional Client Licenses	+
Data Collectors / Control	
Serial to TCP / IP Connection Options	√
ALERT	√
ALERT2™	√
StormLink™ IP (logging / queuing)	√
StormLink Satellite	√
StormLink Cellular	√

Features	Contrail Web
RWIS / NTCIP	√
Two-way ALERT (Flasher and Repeater Control)	-
Custom Collector Programming	Call
Data Agents / Data Exchange	
DIADvisor™	√
USGS	+
METAR	+
HADS	+
CDEC	+
LRGS / GOES	+
NOAA Tides	+
Rugid (EVENTS)	+
Wonderware	+
Campbell Scientific	+
ORBCOMM	+
GoData	+
Custom Data Agent	+
SHEF .A	+
SHEF .E	+
Tabular	+
XML	+
Hydstra	+
Contrail Inventory Plus	
Web Based Inventory Management	+
Mobile Inventory Management	+
Maintenance & Work Order Management	+
Configuration	Call
Contrail Insight	
Network Performance Analysis	-
Rainfall Intensity Analysis	-
Time Series Export	-
Event Data Export	-
Mass Balance Rainfall Analysis	-
Contrail TDMA Manager	
ALERT2 network design & provisioning	-
Services	
Scheduled Reports via Email	√
Database Backups	√
Data Exchange	+
Support	
Business Hours Email & Phone Support	√
Software Upgrade and OS Support	√
24/7 Full Software Support	√

- + Available as an additional option.
- Not available with Contrail Web.

Customer Contrail Web Pre-Launch Checklist

There are certain steps that you must take before the launching of your Contrail Web subscription can take place. The checklist below will assist you in coordinating and planning the tasks in preparation for a smooth and efficient setup of Contrail Web. Send a copy of the completed form to OneRain via email at customer.support@onerain.com (or fax 303-774-2037). Keep a copy for your records. To fill out the form electronically and then save and submit, you'll need [free Adobe® Reader®](#).

CONTACTS AND ACCOUNT DETAILS <i>(to be completed by customer)</i>		
ORGANIZATION / BUSINESS NAME	DEPARTMENT / DIVISION	
STREET ADDRESS	CITY, STATE, ZIP	
PRIMARY CONTACT		
PRIMARY CONTACT NAME	PRIMARY CONTACT PHONE	PRIMARY CONTACT EMAIL
I.T. AND NETWORK ADMINISTRATION CONTACT		
I.T. CONTACT NAME	I.T. CONTACT PHONE	I.T. CONTACT EMAIL
OTHER CONTACT		
CONTACT NAME	CONTACT PHONE	CONTACT EMAIL

Task	Description	Check ✓		Notes
		Done	N/A	
Hardware				
1.	If applicable, order IP/Serial Device: OneRain Custom Serial-to-IP Connection Kit, or other.	<input type="checkbox"/>	<input type="checkbox"/>	
2.	If applicable, identify network drop of IP/Serial Port devices.	<input type="checkbox"/>	<input type="checkbox"/>	
Network Address				
3.	If applicable, Public Web Site. Optional: Setup custom domain URL to map to OneRain hosted sub-domain. Refer to Public Web Site on page 5	<input type="checkbox"/>	<input type="checkbox"/>	
Software Application Data				
4.	Web theme: Collect logo, images, color swatches, etc., to be used to customize the web site.	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Maps. Calculate the extents of your map regions in decimal degrees. Contrail can host multiple map regions offering regional and zoomed-in views.	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Site and Sensor Definitions. Download and complete template for minimum requirements for site and sensor creation. http://contrail.onerain.com/help/Import.xls	<input type="checkbox"/>	<input type="checkbox"/>	

Task	Description	Check ✓		Notes
		Done	N/A	
7.	Identify site groupings: watersheds, water basins, fire borders, or other logical groups or views.	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Compile site and sensor metadata. Site images, maintenance or public notes, sensor thresholds, historic events such a maximum values during storms, etc.	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Determine default validation criteria for sensor types.	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Alarms and Notifications: Consider alarm evaluations and types of notifications.	<input type="checkbox"/>	<input type="checkbox"/>	
Other Considerations				
11.	Webinar Training: Identify who should be present for Administrator level training. Identify who should be present for User only training.	<input type="checkbox"/>	<input type="checkbox"/>	

Technical Assistance and Support

Questions?

Receive guidance about supported hardware options and network configurations that can assist you with your decisions. OneRain technical assistance is available to warranty or maintenance contract customers who need technical assistance with a OneRain product.

Contact

OneRain Incorporated
1531 Skyway Drive, Unit D
Longmont, Colorado 80504

Technical Support

Email: contrail.support@onerain.com

Phone

303-774-2033

Toll Free

1-800-758-RAIN (7246)

More Information

Since 1992 OneRain has been providing high quality data and professional services to customers who need accurate rainfall and related environmental information to make high-value decisions. Our customers' critical missions include dam safety, flood warning, stormwater and wastewater management, and reservoir and hydropower operations.

Our vertical involvement in water measurement, from gauges through remote sensing and storm analysis, enables us to collect and distribute the best real-time and historical hydro-meteorological data available. Our complete systems approach to hydrological management includes nationwide 24/7-supported enterprise data collection, archiving, notification and Web visualization services, local data collection software, gauge-adjusted radar rainfall estimation, rain and other hydromet gauging and professional services, gauge maintenance, real-time satellite telemetry services, telemetry system integration, storm properties analyses and consulting services.

OneRain has designed, built, rehabilitated, and maintains many hundreds of gauges throughout the country. Each gauge or system is tailored specifically to the customers' needs. OneRain continually strives to be the industry leader to the remote hydro-meteorological world, consistently pushing the bar with new technology, while always maintaining quality service and support.

For the latest information about our products and services, please contact:

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