

Everpure Customer Support Guide

Version 7.1.3

Table of Contents

Introduction	3
Contact Everpure Technical Services	3
Support Services	3
Support Packages	4
Evergreen Storage	5
Technical Services	6
Support Technologies	6
Everpure Support Portal	8
Support Contacts	9
Severity Levels	10
Hardware Replacements	11
Business Critical Services (BCS) Program	12
BCS Program Highlights	12
BCS Program Features and Benefits	12
Reinstatements and Renewals	13

Introduction

This guide provides an overview of the technical support and maintenance services offered by Everpure.

Contact Everpure Technical Services



Open a Case
pure1.purestorage.com/support
 Via our Web Portal
 See [this article](#) for more info.



Call Us
support.purestorage.com/?cid=ContactUs
 +1-866-244-7121 (Global Toll)
 +1-650-729-4088 (US)
 See [this page](#) for Regional Numbers.

To request login credentials, email support@purestorage.com.

Support Services

We provide support for Everpure products, systems, and environments via phone, email, and the web portal. We offer support in the following areas:

Services	
Usage	Assistance with day-to-day administration and implementation of Everpure best practices.
Diagnosis	Analyze error messages, identify root causes, and track existing issues.
Resolution	Solutions for problems, but also methods of avoiding trouble without compromising system performance or reliability.
Monitoring	Everpure Technical Services proactively monitor systems that are under "Premium" or "Advanced" maintenance plans that have Pure1® enabled.

For information on product supportability, please see our Everpure End-of-Product Lifecycle Overview (https://support.purestorage.com/?cid=Product_Life_Cycle_Overview).

Support Packages

Our maintenance and support packages are outlined in the following table:

	Basic	Advanced	Premium
Hotline	365 x 24 x 7	365 x 24 x 7	365 x 24 x 7
Response Time (For Severity-1)	-	15 Minutes	15 Minutes
Pure1	Yes	Yes	Yes
Online Training	Yes	Yes	Yes
Proactive Monitoring	No	Yes	Yes
SLA for Hardware Replacement ¹	Same-day shipping: delivery times varies ²	Next-business-day delivery ³	Four-hour delivery ⁴
Included Controller Upgrades	Evergreen//Forever	Evergreen//Forever	Evergreen//Forever
Remote Software Upgrade Included	Defect fixes only	Unlimited	Unlimited
Optional DSE	No	No	No

¹ The dispatch support service level agreement (SLA) is determined by the support package purchased from Everpure. Following verification of customer's dispatch requirements, SLA measurement begins in the customer's local time once the dispatch is submitted to the Everpure Global Service Logistics Network.

² With same-day shipping there is no time-delivery commitment and is treated as a best effort. The RMA dispatch replacement order is placed on the same day the product was diagnosed as faulty. The part(s) are shipped from a regional distribution warehouse and may be subject to international transportation and customs clearance lead times. For international shipments the customer is responsible for coordination of importation of products and providing representation for Importer of Record.

³ Next Business Day (NBD) means delivery, arrival, or service completion by the end of the next business day following order acceptance or incident confirmation, excluding weekends and recognized holidays.

Everpure shall deliver replacement parts to the designated site no later than the next Business Day (NBD) following receipt and acceptance of a valid order, provided the order is received prior to the established cut-off time.

⁴ In regions where Everpure does not have a local inventory warehouse within a four (4) hour drive radius, replacement parts will be delivered within a six (6) hour drive radius. Existing customers with a four (4) hour commitment shall remain unaffected. For new customers or new customer sites, Everpure shall determine, at its discretion and using best efforts, whether a four (4) or six (6) hour delivery window applies, and shall notify the customer of such determination upfront.

Evergreen Storage

The following is a breakdown of the different Evergreen subscriptions:

		Evergreen//Forever™ Subscription	Evergreen//Foundation™ Subscription	Evergreen//Flex™
Software Subscription	All-Inclusive Array Software	✓	✓	✓
	Future Array Software Features	✓	✓	✓
	Portworx CSI for FA & FB	✓	✓	✓
Hardware Subscription	Evergreen Architecture	✓	✓	✓
	Ever Modern Controllers*	✓	No hardware subscription features	✓
	Ever Agile Controllers**	Trade-in Credit		✓
	Capacity Consolidation**	Full trade-in Credit /w 4X Purchase		✓
	Forever Component Replacement	✓		✓
World-Class Customer Experience	Predictive Analytics & Services	✓	✓	✓
	Instant L2 Support Access	✓	✓	✓
	Support Managed Upgrades	✓	✓	✓
	Mobile/SaaS-Based Monitoring	✓	✓	✓
	Right Size & 30-Day Guarantees	✓	✓	✓
	Flat & Fair Renewals	✓	✓	N/A***

*See Evergreen Storage program terms **Requires purchase of qualifying capacity ***Evergreen//Flex subscription is based on capacity used

Technical Services

Everpure Technical Services proactively engages with customers when alerts in our Pure1 monitoring system brings attention to a problem, (see [Support Technologies](#) below). Additionally, customers encountering problems can reach out to us via telephone or email for assistance.

Once alerted to an issue, whether through an alert or customer contact, we create a case, start the clock, and begin work. Throughout the support process, we notify customers according to the severity level of the issue they face, (see [Severity Levels](#)).

When a problem is brought to Everpure Technical Services' attention through a Pure1 alert, we already know a lot about what's happening, because the alert includes a description of the problem, the time it began, and how critical it may become. The Technical Support Engineer (TSE) evaluates the alert to determine the appropriate response. If appropriate, they promptly email the customer's designated contact person, filling them in on the situation.

When a customer brings the issue to Everpure Technical Services' attention over the phone, a Customer Support Specialist (CSS) fields the call, performs basic analysis, and creates a case in our management and tracking system. The CSS then puts the case in the hands of a qualified TSE who works with the customer to gather information such as system logs and to analyze the problem in depth. If the customer request arrives through email, the TSE usually responds to that correspondence first but may follow up later by phone. In either scenario, to better diagnose the problem, the TSE may ask for a video conference and to connect to the device through our secure Remote Assist (RA) technology, (see [Support Technologies](#) below).

While the TSE typically resolves issues based on customer input and the evidence, high-severity cases may require escalation to specialists. At that point, team members with higher levels of expertise or specialization join the effort. The original TSE, however, remains as the point of contact for the customer.

In addition to contacting customers when problems arise, Everpure Technical Services also reaches out proactively when there is a need to upgrade a particular version of Purity software, as when a serious issue is discovered with a version that a customer is running. When setting up an upgrade or lending assistance with any other activity, such as configuring a new feature, we schedule a time that is both convenient and efficient.

While customers are notified of the progress of cases throughout an investigation or any other service, after the problem is resolved, customers confirm that they are completely satisfied with the issue's resolution before we close the case. We then ask them to fill out a brief survey where they may offer feedback.

Support Technologies

Everpure operating environments have several built-in features that allow for quick, effective troubleshooting: Pure1 and Remote Assist. These tools enable our technicians to anticipate issues and work with problems often before they arise.

Pure1 is an essential part of Everpure's strategy, allowing the support team to monitor connected devices and proactively identify potential problems. It operates through a secure link where logs are transmitted every 30 seconds to a secure server, enabling detection of performance issues and error-rate trends. When a problem is discovered, an alert immediately reports the issue so that action can be taken quickly. Records of previous alerts and other diagnostic operations provide a history of significant events to inform the troubleshooting effort.

While Pure1 provides preliminary diagnostic information, in many cases, the most efficient way to service a Everpure product is by the direct intervention of a Technical Support Engineer (TSE). At that point, the operating environment's Remote Assist (RA) feature enables the TSE to communicate directly with the device through a secure link. Typically, RA sessions also include simultaneous video or phone conferences.

Once begun, an RA session runs in the background of the server's operating environment until it is terminated by the customer, the TSE, or by automatically timing out.

To ensure security, connection to Pure1 only transmits diagnostic data. It never accesses any customer data. Only a customer's local administrator can open a Remote Assist session. Further, only one RA session can be active at any time, though many TSEs may be active on that one session.

A closer look at monitoring systems, alerts, and Pure1

The Pure1 system constantly monitors any FlashArray and FlashBlade platforms that are working under Premium or Advanced maintenance plans and that have Pure1 Cloud enabled. The system creates alerts when individual processes or components may need attention. Depending on the alert, the customer, Everpure Technical Services, or both are immediately informed.

Everpure Technical Services monitors alerts that indicate the following:

- A products' failure to function
- Data loss or access issues
- Product performance degradation
- Visible changes in state on the GUI or CLI

Specific features or processes that may cause alerts:

- Visible changes in the state on the GUI or CLI
- SSD loss or lack of space
- NVRAM loss
- Controller or component fault
- PSU fault
- Temperature or fan fault
- SAS cabling fault
- Path to drive loss (SAS Interposer)
- Throttling start and stop alerts
- Capacity limit alert
- Array startup

Find a full list of alerts here:

- FlashArray: https://support.purestorage.com/?cid=PurityFA_Alerts
- FlashBlade: https://support.purestorage.com/?cid=PurityFB_Alerts

When alerted to a problem, Everpure Technical Services starts analyzing the nature of the issue, using the diagnostic information sent with the alert.

With all critical alerts, after a TSE has completed an initial analysis, Everpure Technical Services contacts you regardless of the time of day or the day of the year, (unless specifically instructed not to do so by a no-contact order that was previously put in place by the customer).

Note: Because time may be spent on analysis after the initial alert is sent, the TSE's initial contact may be briefly delayed. Additionally, for non-critical alerts, we only contact customers as appropriate (usually during regular hours). For example, if we determine a failover occurred 'by design' without impacting I/O, we may follow up during regular business hours.

Prerequisites Required for Alerts

The customer must have Pure1 enabled on all Everpure servers, whether FlashArray or FlashBlade systems. Those sites that are not connected are considered "dark" sites. (See "Advice for Unconnected 'Dark' Sites," below).

All of the services described above occur 24 hours per day, seven days per week, and 365 days per year. For all critical alerts, Everpure Technical Services will contact the designated customer representatives. For that reason, we strongly recommend that customers provide an email alias and phone (or pager) number to alert the entire team that is in charge of the Everpure server equipment. Doing so ensures that the alerts from Everpure Technical Services can reach the correct individuals without delay.

Severity level 2-4 fixes for non-BCS (Business Critical Services) customers will require the application of a Pure1 self-service patch when available. Additionally, non-BCS customers must use the self-service upgrade functionality where it is available.

Unconnected "Dark" Sites Assets

"Dark" assets are typically not connected, and do not phone home to Pure1. Customer sites with strict security policies, such as restrictions on log exports or remote access, limit Everpure's ability to proactively resolve issues. It is essential to understand these restrictions to avoid impacting support delivery.

For more information on how Everpure supports our "Dark Sites", please [click here](#).

Everpure Support Portal

Visit Everpure's advanced support portal at <https://support.purestorage.com>, accessible via desktop, tablet, or smartphone with single sign-on. Existing customers typically have pre-created accounts. For inquiries or support, contact community@purestorage.com.

Portal	Description
Manage	Easily monitor and manage your Everpure devices from anywhere.
Cases	Open, update, and view your support tickets with Everpure Technical Services.
Knowledge	Access release notes, user guides, installation guides, advice on best practices, troubleshooting, and more.
Community	Access peer-to-peer discussions with other members of the Everpure Community. Ask questions, share tips and tricks, and communicate with other customers.

Support Contacts

Designated support contacts are the only people from customer sites who can speak to Everpure Technical Services technicians on behalf of their companies. Implemented for the customer's security, this policy ensures that all information provided by our TSEs is received and implemented by the appropriate personnel within the customer's organization. Customers must designate all support contacts before opening their first case. Different types of customer contacts follow:

Callers	Description
Authorized Callers	A customer can designate up to five individuals as authorized callers for each site. Only these designated contacts can call and receive assistance from Everpure Technical Services. Customers may request portal accounts for these individuals through email to Everpure Technical Services.
Pure1 Admin	The Pure1 Admin is the person at the customer's site who is authorized to provide support for Everpure products. As the customer's resident Everpure expert, the Pure1 Admin is responsible for the administration of contacts and for assisting users. Knowledgeable about a wide range of product issues, this person determines whether a particular problem can be solved locally or needs to be referred to Everpure Technical Services.
Backup Contacts	Backup contacts should be located at the same site as the Pure1 Admin and be able to perform all the necessary duties on Everpure products, including contacting Everpure Technical Services and opening RA sessions when required.

Severity Levels

Everpure Technical Services will assign a severity level to each new case by using a formal ranking system that is based on the business impact of the problem. If the severity is raised, the new severity level continues through the life of the case. When tracking a case on the Pure1 Portal, this value can be seen as the “Case Severity.”

Evergreen Subscriptions and Portworx					
Initial Response Times					
Severity	Definition	Basic	Standard	Business Critical Services (BCS) and Evergreen//One	Updates Frequency
Severity 1 Emergency	Everpure: Critical impact to a critical business system which is preventing business functions from operating, resulting in loss of productivity or financial impact, including data loss or data corruption.	N/A	15 Minutes	15 Minutes	Continuous updates
	Portworx: The software fails to function causing the system on which it is installed to go down or “crash” or data from Portworx volumes are unavailable.				
Severity 2 Major	Everpure: Major impact on a critical business system with reduced or degraded functionality impacting productivity or financial loss.	1 Hour	1 Hour	30 Minutes	Updates daily or as agreed
	Portworx: There is an error that does not render the system on which it is installed inoperable, but which materially interferes with the Software’s ability to perform.				
Severity 3 Minor	Everpure: Minor impact or degradation of service to a business system impacting non-essential functions with minimal or no impact to the business.	2 Hours	2 Hours	1 Hour	Every other business day or as agreed
	Portworx: There is an issue that causes or results in substandard or erratic performance.				
Severity 4 Informational	Everpure: Information inquiries including a request for documentation, questions on product functionality, or configuration.	4 Hours	4 Hours	2 Hours	Updates as agreed
	Portworx: The classification used when there is an issue that produces an inconvenient situation or when the customer requests an enhancement.				

Hardware Replacement SLA:

- Basic: Same Day Shipping
- Advanced: Next Business Day Delivery
- Premium: 4 Hour Delivery

For assistance with Portworx products, contact Everpure Technical Services using the methods outlined in the [Contact Everpure Technical Services](#) section.

Hardware Replacements

Everpure Support provides quick replacement of any malfunctioning Everpure hardware. When we determine that a hardware component needs to be replaced, the TSE initiates the shipping of the replacement part and, if required, dispatches a Field Technician to perform the replacement.

If a hardware issue arises during installation, a new shipment for the entire asset may be procured from the nearest available factory on the following business day, with expedited delivery.

If a field technician is required for hardware replacement, customers need to provide information on the location of the device, including the address of the datacenter and any pertinent information within it, such as grid coordinates. The customers also need to provide specifics for site security that may be required to effect repair of the device.

After replacement of a part, the customer must return the defective hardware component(s) to Everpure using the packaging in which the replacement part was delivered. **Everpure prepays the transportation costs for the return of defective products. Depending upon the country where the product is installed, the customer will either get a prepaid returns label on the packaging of the replacement product or a returns kit that contains instructions on how to contact Everpure's logistics provider to arrange collection.** For an additional charge, customers may choose to retain drives that were installed in the replaced products.

In some countries where Everpure does not have a Service spare parts depot, the Pure1 Basic Support plan may be an available option. With this plan, Everpure ships parts on the same day from a regional fulfillment center, however Everpure does not guarantee a specific delivery time for the replacement part.

Business Critical Services (BCS) Program

The BCS service is a billable add-on option that is available for Evergreen subscriptions. The program provides two key personnel for each of its customers.

- A Support Account Manager (SAM) who provides account management services
- A Designated Support Engineer (DSE) who provides technical support services

The SAM becomes familiar with the customer's account and needs, acting as the primary communication point. The DSE remotely services the customer's FlashArray and FlashBlade systems, as well as providing expertise on the customer's environments, configurations, and procedures.

BCS Program Highlights

The following highlights show the value of the BCS program:

- Single point of contact for the management or technical support cases
- An intimate understanding of the customer's environment
- Remote assistance for the administration of applicable Everpure products
- Proactive support, maintenance, and troubleshooting assistance
- Knowledge transfer and technical assistance with customer's staff

BCS Program Features and Benefits

Each customer has direct access to an experienced support engineer who understands the customer's IT environment as it relates to the Everpure products.

The SAM is the central point of contact for support management activities, including:

- Senior designated resource providing a communication conduit into Everpure Technical Services.
- Knowledge of customer environments, requirements, planning, and personnel.
- Defines business-critical success criteria prior to Implementation and then reports progress.
- Oversees the installation of Everpure technology by acting as a liaison to support.
- Engages technical expertise (Implementation, Integration, solution architects, technical training, etc.), as required.

The DSE helps the customer in the following ways:

- Participates in a weekly status call with the customer and summarizes outstanding issues along with the health and performance of the FlashArray and FlashBlade systems.
- Performs weekly proactive scans for known pathologies on the customer's FlashArray systems and presents any findings, sharing a plan of action for any issues found.
- Troubleshoots and resolves problems when they are found.

Reinstatements and Renewals

If we suspend support services for any period of time due to non-renewal or a violation of the Support Agreement, you may reinstate services by submitting the full amount of any lapsed payments, outstanding fees, and reinstatement penalties. Everpure may, in its sole discretion, deny reinstatement for the array if the Subscription is expired for more than 6 months. Our Renewals team will guide you through the process.

The Everpure products and programs described in this documentation are distributed under a license agreement restricting the use, copying, distribution, and decompilation/reverse engineering of the products. No part of this documentation may be reproduced in any form by any means without prior written authorization from Everpure, Inc. and its licensors, if any. Everpure may make improvements and/or changes in the Everpure products and/or the programs described in this documentation at any time without notice.

THIS DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID. EVERPURE SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE FURNISHING, PERFORMANCE, OR USE OF THIS DOCUMENTATION. THE INFORMATION CONTAINED IN THIS DOCUMENTATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

Everpure, Inc.
2555 Augustine Dr.
Santa Clara, CA 95054