# Unrestricted GDO Acknowledgment

Request access to the Livermore Computing (LC)
Green Data Oasis (GDO) Facility.

## Section A: User Information (please print)

| Last Name | First Name | Middle Initial |
|---|---|---|
| | | |

| Official User Name (last name + number) | Clearance Level (Q, L, P) | Citizenship | |
|---|---|---|---|
| | | | |

| Directorate/Division | Employee Number | L-Code |
|---|---|---|
| | | |

| Unclassified E-mail | Phone |
|---|---|
| | |

| Regular LC User Name | UID (for LC use only) |
|---|---|
| | |

## Section B: System Information and Justification

| Zone Name/Group Membership | Preferred Shell (check one) |
|---|---|
| | ☐ csh  ☐ ksh  ☐ sh  ☐ bash  ☐ tcsh  ☐ zsh |

Justification for GDO Use

## Section C: User Agreement

I have read and acknowledge the requirements set forth in this document, including the GDO Terms and Conditions and the Livermore Computing Policies and Procedures, and hereby agree to abide by such when using GDO Systems.

| User Signature | Date |
|---|---|
| | |

## Section D: Authorizations

I certify that I am aware of this user's business need, and I approve GDO access for this user.

| Computer Coordinator Name (please print) | **Computer Coordinator Signature** | Date |
|---|---|---|
| | | |
| OISSO Name (please print) | **OISSO Signature** | Date |
| | | |
| LC Management Name (please print) | **LC Management Signature** | Date |
| | | |

## Section E: General Information

Primary usage of the Green Data Oasis (GDO) network is intended for LLNL personnel and collaborators.

Requests for access must include justification. Requests will be reviewed and approved at the discretion of Livermore Computing (LC).

Users are prohibited from transferring unclassified controlled information (UCI) onto the GDO. Placement of any data onto the GDO requires proper Review and Release as well as previous approval by the user's management and LC. See the attached GDO Terms and Conditions document for a complete description of allowed data.

Users must read and acknowledge the requirements set forth in this document (GDO Terms and Conditions) and in the *Livermore Computing Policies and Procedures* document and agree to abide by such when using systems on the GDO.

**Mail or fax completed forms to LC Customer Service Group**
Lawrence Livermore National Laboratory, PO Box 808 L-63, Livermore CA 94551 • Fax (925) 422-0592
For assistance, call (925) 422-4531, Option 2 or send e-mail to lc-support@llnl.gov

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# Green Data Oasis – Terms and Conditions

The purpose of the Green Data Oasis (GDO) is to facilitate collaboration between LLNL and external collaborators by providing a means for easily sharing data. As such, it was designed as a data portal and is not intended for doing data analysis or other CPU-intensive activities.

## Account Requests and Disk Allocations

Accounts and disk allocation requests must be approved by the GDO project leader. All users of the system must sign an acknowledgment agreeing to the GDO terms and conditions. When a project's allocation has expired, user accounts and data associated with that project will be removed. Login accounts can only be granted to US citizens. Foreign national project members will be able to access the GDO in the same way as do external collaborators (see below).

## Nature of Data Allowed on the GDO

All LLNL data placed onto the GDO by the user must first be authorized for general distribution through the Laboratory's Information Management and Review (IM) process. No UCI data is allowed anywhere on the system. Data on the GDO from external sources must be part of an ongoing collaboration that is associated with an LLNL science project. External data must be checked for validity by an LLNL "data custodian" (US citizen project member) before it is made available for others to view. Data on the GDO from external sources need not go through the Lab's IM process, but external data must bear no legal responsibility for the Lab to protect it. It will be the project's responsibility to assure that the data has no associated legal implications.

## Project Partitions, User Accounts, Services

Once a project has been awarded an allocation on the GDO, a separate disk partition and one or more virtual hosts will be created. The virtual hosts will be named something like "gdo-project.llnl.gov." Local (LLNL) project members will have login access to the virtual hosts associated with their project. Login accounts will require two-factor authentication as provided by RSA tokens (i.e., one-time passwords.)

External collaborators will not have login accounts. They will be able to retrieve data using FTP, HTTP, or other approved protocol. The project must coordinate with the GDO project leader on the exact services and protocols to be supported on their portion of the GDO. Projects can install software for local use, but cannot install software that enables remote access.

In some cases, collaborators will be able to upload data to the GDO. The system will provide a means for the account holders to specify access controls that limit the hosts and times during which an upload can occur. A data check by a responsible project "data custodian" will be required before the data can be moved into a publicly readable area. The data custodian must be a US citizen. See the rules in the "Nature of Data Allowed on the GDO" section for the type of external data that is allowed on the GDO.

## Networking and Connectivity

The GDO is on its own separate branch of the green network and has a 10-Gbit connection to ESnet. A project's GDO disk space can be NFS exported (read-only) to another host on the green network. This will allow heavyweight data visualization or analysis to be done on a project's local green network servers. The GDO cannot be NFS exported to any host on the Enterprise (yellow) network, nor will any other special trust relationship exist between the GDO and the Enterprise network. All traffic between the GDO and the Enterprise network will go through the standard Lab network channels.

## Backups and Data Loss

Data on the GDO RAID system will not be backed up. Users will be responsible for backing up this data to other systems such as HPSS. Some non-data partitions on the GDO will be backed up, including user home directories and select system directories.