Task	Effort
1) Next Release with SHA 2 Support	5w
The release formerly known as caGrid 1.4.1, or 1.4 w/ SHA 2	
https://tracker.nci.nih.gov/browse/CAGRID-540	
• 1.1) Upgrade Documentation	1w 2d 4h
https://tracker.nci.nih.gov/browse/CAGRID-516	
• 1.2) New Install Documentation	3d
https://tracker.nci.nih.gov/browse/CAGRID-517	
• 1.3) Identify Owners of Secure Services on Training Grid	4h
https://tracker.nci.nih.gov/browse/CAGRID-600	
• 1.4) Identify Owners of Secure Services on Production Grid	1d
https://tracker.nci.nih.gov/browse/CAGRID-601	
• 1.5) Merge caCORE SDK 4.4 data service style	2d
https://tracker.nci.nih.gov/browse/CAGRID-755	
▼ 1.6) **Introduce Upgraders**	2w 1d
https://tracker.nci.nih.gov/browse/CAGRID-640	
• 1.6.1) CaGrid Metadata Extension Upgrader	1d
https://tracker.nci.nih.gov/browse/CAGRID-758	
• 1.6.2) Data Service with SDK 4.2 Upgraders from 1.3 and 1.4	3d
https://tracker.nci.nih.gov/browse/CAGRID-752	
• 1.6.3) Data Service with SDK 4.3 Upgraders from 1.3 and 1.4	3d
https://tracker.nci.nih.gov/browse/CAGRID-753	
• 1.6.4) Data Service with SDK 4.4 Upgraders from 1.4	3d
https://tracker.nci.nih.gov/browse/CAGRID-754	
• 1.6.5) WS-Enumeration Upgrader	1d
https://tracker.nci.nih.gov/browse/CAGRID-766	
▼ 2) **Continued Development**	16w 5h
The release following the SHA 2 release, currently known as 1.6	
• 2.1) Fix service build problems with spaces in the path	2w
https://tracker.nci.nih.gov/browse/CAGRID-161	
• 2.2) Client Tool for Service Identities	1d
https://tracker.nci.nih.gov/browse/CAGRID-619	
• 2.3) Merge caCORE SDK 4.4 data service style	2d
https://tracker.nci.nih.gov/browse/CAGRID-755	
• 2.4) Migrate XMI Datatypes Browser to SDK 4.3 or newer	1w
https://tracker.nci.nih.gov/browse/CAGRID-90	
• 2.5) Discoverable Target Grids	2d
https://tracker.nci.nih.gov/browse/CAGRID-141	
• 2.6) Break WS-Core Ivy module into more granular components	1h
https://tracker.nci.nih.gov/browse/CAGRID-173	
• 2.7) Remove dependency on GLOBUS_LOCATION	3d
https://tracker.nci.nih.gov/browse/CAGRID-677	
• 2.8) Dorian Users Password Reset Mechanism	1w
https://tracker.nci.nih.gov/browse/CAGRID-357	
• 2.9) New Resource Property to indicate Semantic Annotation Source	2d
https://tracker.nci.nih.gov/browse/CAGRID-380	
• 2.10) Introduce Advanced Deployment Option	4h
https://tracker.nci.nih.gov/browse/CAGRID-393	
• 2.11) Rework GAARDS-UI's target grid configuration	3d
https://tracker.nci.nih.gov/browse/CAGRID-633	
• 2.12) FQP performance and scalability	2w
https://tracker.nci.nih.gov/browse/CAGRID-646	
• 2.13) SDK Data Services under OpenJDK	1d
https://tracker.nci.nih.gov/browse/CAGRID-673	
• 2.14) Introduce Update and Version Coordination	4h
https://tracker.nci.nih.gov/browse/CAGRID-679	
• 2.15) Dynamic Data Type creation with FQP	2w
https://tracker.nci.nih.gov/browse/CAGRID-685	
▼ 2.16) **Introduce Upgraders**	2w 1d
• 2.16.1) CaGrid Metadata Extension Upgrader	1d
https://tracker.nci.nih.gov/browse/CAGRID-758	
• 2.16.2) Data Service with SDK 4.2 Upgraders from 1.4 and 1.5	3d
https://tracker.nci.nih.gov/browse/CAGRID-752	
• 2.16.3) Data Service with SDK 4.3 Upgraders from 1.4 and 1.5	3d
https://tracker.nci.nih.gov/browse/CAGRID-753	
• 2.16.4) Data Service with SDK 4.4 Upgraders from 1.4 and 1.5	3d
https://tracker.nci.nih.gov/browse/CAGRID-754	
• 2.16.5) WS-Enumeration Upgrader	1d
https://tracker.nci.nih.gov/browse/CAGRID-767	
▼ 2.17) **Tech Stack Upgrades**	2w 4d 4h
https://tracker.nci.nih.gov/browse/CAGRID-83	
• 2.17.1) Tomcat 6 Support	3d
https://tracker.nci.nih.gov/browse/CAGRID-104	
https://tracker.nci.nih.gov/browse/CAGRID-110	
• 2.17.2) JBoss 5.1 support	1w 2d 4h
https://tracker.nci.nih.gov/browse/CAGRID-103	
https://tracker.nci.nih.gov/browse/CAGRID-768	
• 2.17.3) MySQL 5.1.x support	1d
https://tracker.nci.nih.gov/browse/CAGRID-108	
• 2.17.4) Ant 1.8.x support	3d
https://tracker.nci.nih.gov/browse/CAGRID-372	