

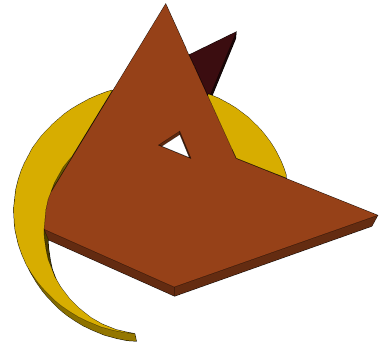
DIBBs: Brown Dog

With growing and diverse collections of data becoming part of modern scientific workflows, many research projects today begin with a process of data wrangling, i.e. finding, manipulating, indexing, cleaning, and bringing together needed datasets. DIBBs Brown Dog aims to alleviate some of the overhead and heterogeneity in the processes involved in this step which tends to otherwise hinder scientific progress and reproducibility. Through a REST API Brown Dog provides data transformations such as format conversions (leveraging [Polyglot](#)) and content based extractions (leveraging [Clowder](#)) as a service which supports diverse usage through various clients and programming languages. Further, Brown Dog provides a venue to access and preserve data transformation tools, track provenance, track information loss, manage data movement, and process jobs in a scalable manner across a diverse set of computational resources. Overall, Brown Dog provides a low-level data infrastructure to interface with digital data contents and through its capabilities move software to being more agnostic to the format /structure of data, enabling the scientific community to focus more on their research, less on data wrangling, and allow researchers to more easily access datasets that would otherwise be inaccessible.

- **Documentation**
 - [Introduction](#)
 - [BDFiddle](#)
 - [BD CLI](#)
 - [BD Windows Client](#)
 - [API](#)
 - [Preparing Tools](#)
 - [Adding Tools](#)
 - [Project Supported Transformations](#)
- **Workshops & Tutorials**
 - [Brown Dog Tutorial - Beta Release](#)
 - [NCHC Tutorial 2017](#)
 - [XSEDE Tutorial 2016](#)
 - [Early User Workshop 2015](#)
 - [Kickoff Tutorials 2013 and 2014](#)
- **Project Information and Resources**
 - [Components & Source Code](#)
 - [Data Management Plans](#)
 - [Description](#)
 - [Definitions](#)
 - [Events, Outreach, and Media](#)
 - [Project Team](#)
 - [Publications](#)
 - [Resources](#)
- *Discussions / Under Development*

Blog Posts

- Blog: [NCSA Brown Dog and Box Skills Speed up Astronomical Research](#) created by [Shannon Bradley](#)
Apr 12, 2019
[BrownDog](#)
- Blog: [The Predictive Ecosystem Analyzer - PEcAn](#) created by [Kenton McHenry](#)
Mar 21, 2018
[BrownDog](#)
- Blog: [Using Machine Learning to Understand Public Preference Toward Landscape Design](#) created by [Kenton McHenry](#)
Feb 21, 2018
[BrownDog](#)
- Blog: [Brown Dog Tutorials](#) created by [Kenton McHenry](#)
Feb 01, 2018
[BrownDog](#)
- Blog: [What is Brown Dog Video](#) created by [Kenton McHenry](#)
Nov 06, 2015
[BrownDog](#)
- Blog: [IEEE Big Data](#) created by [Kenton McHenry](#)
Nov 06, 2015
[BrownDog](#)
- Blog: [Brown Dog Cheat Sheet](#) created by [Kenton McHenry](#)
Sep 16, 2015
[BrownDog](#)
- Blog: [To Be Heard and Not Seen](#) created by [Kenton McHenry](#)



<https://bd-api.ncsa.illinois.edu/>

Recent Space Activity



[Kenton McHenry](#)
[Events, Outreach, and Media](#) updated Feb 19, 2020 [view change](#)
[Publications](#) updated Feb 19, 2020 [view change](#)



[Mark Fredricksen](#)
[Transformations Catalog](#) updated Jan 27, 2020 [view change](#)
[Setting up Windows VM for ArcGIS extractors](#) updated Jan 24, 2020 [view change](#)



[Sandeep Puthanveetil Satheesan](#)
[Setting up Windows VM for ArcGIS extractors](#) updated Jan 09, 2020 [view change](#)

Brown Dog Flyer / Cheat Sheet

BrownDog

- BrownDog



This research and development has been funded through National Science Foundation Cooperative Agreement ACI-1261582.