# *Index*


## Symbols

$CEPATH, 5-28

## A

accelerator, Glossary-1
adding a new file type, 5-11
additional action, Glossary-1
addressing messages, methods of, 6-9
adjust mouse button, Glossary-1
alternate transport medium, Glossary-1
anchor, Glossary-1
animation, 3-3, Glossary-1
animation, previewing, Glossary-1
animation, tracking, Glossary-2
API, Glossary-2
API *See application programming interface*
application programming interface (API), 6-11
attribute
  compress, 5-10
  registration, 5-2
attributes, 5-1
  types, 5-8
  types of, 5-1

## B

Backus-Naur Form, 5-14
Binder, 5-15
broadcast, 6-1

## C

cd_db_build, 5-14
ce_begin, 5-29
ce_db_build, 5-11, 5-36
ce_db_changed, 5-29
ce_db_merge, 5-13, 5-37
ce_end, 5-29
ce_get_atribute_type, 5-32
ce_get_attribute, 5-31
ce_get_attribute_id, 5-31
ce_get_attribute_name, 5-34
ce_get_attribute_size, 5-31
ce_get_dbs, 5-30
ce_get_entry, 5-30
ce_get_entry_db_info, 5-34
ce_get_namespace_id, 5-30
ce_get_namespace_name, 5-34
ce_get_ns_entry, 5-32
ce_map_through_attrs, 5-33
ce_map_through_entries, 5-33

ce_map_through_namespaces, 5-32
ce_map_through_ns_attrs, 5-34
Classing Engine, Glossary-2
classing engine
adding a new file type, 5-11
adding a new object, 5-11
adding/changing file types, 5-5
API, 5-27
ASCII, converting to, B-1
attributes, 5-1, 5-8
data type registration, 5-2, C-1
database, accessing, 5-17
database, converting to ASCII, 5-35
database, reading the, 5-35
definition of, 5-1
example, 5-25
file manager, 5-3
file type attributes, C-3
file type identifier, C-2
file types, C-2
file types (see also files types), 5-10
interactive modifications, 5-15
location of namespace managers, 5-28
mapping functions, 5-25, 5-28
program example, 5-17
purpose of, 5-1
registration, C-1, C-2
retrieving attributes, 5-17
usage, 5-3
utility programs, 5-35
viewing database, B-1
classing engine database, 5-1, 5-5
locations of, 5-5
network, 5-5
system, 5-5
user, 5-5
compress, 5-10
Container, A-8
content, 5-6
typing by, 5-6
conversation, Glossary-2
copy-and-paste, 3-3
Created(Notice), F-5
CUT, COPY, and PASTE keys, 2-1
cut-and-paste, 3-3

## D

data span, 3-2, Glossary-2
data type registration, 3-45, C-1
Deleted(Notice), F-5
derive, file type, 5-6
DeskSet
selection protocol, 2-4
DeskSet atoms, 4-1
DeskSet Drag and Drop Atoms, 4-4
DeskSet Drag and Drop Example, 4-10
DeskSet drag and drop handshaking, 4-2
DeskSet drag and drop protocol, 4-1
deskset integration
why do it, 1-2
DeskSet selection, 4-2
DeskSet, how uses ToolTalk, 7-1
desktop integration, 1-1
definition of, 1-1
purpose of, 1-1
why do it, 1-1
desktop object, Glossary-2
Desktop Services Message Set, 6-3
destination, 3-2
destination application, A-3
destination object, A-2
determining who receive messages, 6-9
Do_Command(Request), F-6
Document and Media Exchange Message Set, 6-5
drag and drop, A-1, Glossary-2
application example, 1-3
application examples, A-2
canceling, A-29
cut and paste, A-3
data conversion, 3-45
data format names, 3-46
data span, 3-2
data span, selection of, 3-2
data type registration, 3-45

data types, C-1
definition, A-5
destination, 3-2, A-8
drag source image, A-17
drop method, A-9
error handling, A-28
handshaking, 3-45
implementation, 3-3, 3-4
input focus management, A-28
multiple source objects, A-21
OPEN LOOK deviations, A-30
programming example, 3-7
receiving a drop, 3-5
selected, 3-2
source, 3-2
specific locations, A-9
target, A-13
undoing, A-29
visual feedback, 3-3, A-21
drag and drop target, 3-3, A-8
drag and drop user interface, 3-2
drag source image, A-17
Drop, 3-3
drop method, A-9
Drop Site Database Manager (DSDM), Glossary-2


## E


error messages
TT_DESKTOP_CANCELLED, F-4
TT_DESKTOP_EACCESS, F-3
TT_DESKTOP_EINVAL, F-3
TT_DESKTOP_ENOENT, F-3
TT_DESKTOP_ENOMSG, F-3
TT_DESKTOP_ENOTSUP, F-4
TT_DESKTOP_EPROTO, F-3
TT_DESKTOP_UNMODIFIED, F-4
error messages, Desktop Services, F-3
error reporting, 5-28
examples
classing engine, 5-17, 5-25
OLIT selections, 2-2


## F


features, of ToolTalk, 6-8
file
ToolTalk concept of, 6-10
File Manager, A-2
file scoping, restrictions, 6-10
file type, 5-1, 5-6
name, 5-10
file type by pattern, 5-6
file type identification
identification, file type, 5-6
file type, adding a new, 5-11
file types
icon, 5-10
icon background color, 5-10
icon foreground color, 5-10
icon mask, 5-10
open command, 5-10
print command, 5-10
template, 5-10
ToolTalk command, 5-10
ToolTalk command, obsolete ToolTalk, 5-10
filemanager, 5-3
files namespace entries, 5-6
files namespace table, 5-6
files namespace table,example of, 5-6


## G


gesture, drag and drop, Glossary-2
Get_Environment(Request), F-21
Get_Geometry(Request), F-23
Get_Iconified(Request), F-25
Get_Locale(Request), F-26
Get_Mapped(Request), F-28
Get_Modified(Request), F-8
Get_Situation(Request), F-30
Get_Status(Request), F-9
Get_Sysinfo(Request), F-10
Get_XInfo(Request), F-31
Glossary, Glossary-1

glyph, Glossary-3

## H

hints, Glossary-3
holder client, 2-2
how applications use ToolTalk
    messages, 6-7

## I

icon, Glossary-3
interplay, Glossary-3

## L

Lower(Request), F-18

## M

match attributes, Glossary-3
menu mouse button, Glossary-3
message patterns, 6-8
message protocol, 6-10
message sets
    Desktop Services
        Created, F-5
        Deleted, F-5
        Do_Command, F-6
        Get_Environment, F-21
        Get_Geometry, F-23
        Get_Iconified, F-25
        Get_Locale, F-26
        Get_Mapped, F-28
        Get_Modified, F-8
        Get_Situation, F-30
        Get_Status, F-9
        Get_Sysinfo, F-10
        Get_XInfo, F-31
        Lower, F-18
        Modified, F-12
        Moved, F-13
        Pause, F-14
        Quit, F-16
        Raise, F-18
        Resume, F-14
        Revert, F-19
        Reverted, F-12
        Save, F-19
        Saved, F-20
        Set_Environment, F-21
        Set_Geometry, F-23
        Set_Iconified, F-25
        Set_Locale, F-26
        Set_Mapped, F-28
        Set_Situation, F-30
        Set_XInfo, F-31
        Signal, F-33
        Started, F-34
        Status, F-35
        Stopped, F-34
messages
    determining recipients of, 6-8
    handling, 6-8
    methods of addressing, 6-9
    object-oriented, 6-9
    observing, 6-8
    process-oriented, 6-9
    receiving, 6-8
    sending, 6-7
messages, object-oriented, 6-1
messaging, multicast, 6-1
Modified(Notice), F-12
Moved(Notice), F-13
multicast, 6-1
multi-click method, 3-2
multiple source objects, A-7

## N

namespace, Glossary-3
namespace manager, 5-6, Glossary-4
namespace tables, 5-6, Glossary-3
Notice, Glossary-4

## O

object type derivation, Glossary-4
object-oriented messages, 6-9

OLIT, Glossary-4
OLIT selection example, 2-2
OLIT. drag and drop example, E-1
owner client, 2-2

## P

pattern, 5-6
pattern, type by, 5-6
Pause(Request), F-14
point-to-point messaging, 6-1
primary drop site
    drag and drop
        primary drop site, A-14
Print Tool, A-3
process-oriented messages, 6-9

## Q

Quit(Request), F-16

## R

Raise(Request), F-18
receiving ToolTalk messages, 6-8
recipients, 6-7
registering file types, C-1
registration phone number, C-1
registration, data type, 1-7
registration, data types, 3-45
rendezvous, Glossary-4
requestor client, 2-2
Resume(Request), F-14
Revert(Request), F-19
Reverted(Notice), F-12

## S

Save(Request), F-19
Saved(Notice), F-20
scenarios illustrating the ToolTalk service
        in use, 6-2
select, Glossary-4
select mouse button, Glossary-4
select-adjust method, 3-2
selected, 3-2
selection mechanism, 2-1
selections
    application example, 2-1
    documentation, further, 2-2
    toolkit support, 2-2
selections protocol, 2-2
selections, generic implementation, 2-2
senders, 6-7
sending ToolTalk messages, 6-7
session identifier (sessid), 6-10
session, ToolTalk concept of, 6-10
Set_Environment(Request), F-21
Set_Geometry(Request), F-23
Set_Iconified(Request), F-25
Set_Locale(Request), F-26
Set_Mapped(Request), F-28
Set_Situation(Request), F-30
Set_XInfo(Request), F-31
Signal(Request), F-33
software evolution, 1-2
source, 3-2
source application, A-3
source object, A-2
sourcing a drag
    drag and drop
        sourcing a drag, 3-4
Started(Notice), F-34
Status(Notice), F-35
Stopped(Notice), F-34
Syntax of ASCII Database Description
        File, 5-14

## T

targets, 4-1
TARGETS atom, 4-2
TNT, Glossary-4
ToolTalk, Glossary-4
    example program, D-1

registering types, C-4
ToolTalk message sets
Desktop, 6-3
Document and Media Exchange, 6-5
ToolTalk messages, 6-7
ToolTalk service, 6-1, 6-2
ToolTalk, as used in DeskSet, 7-1
transport, Glossary-5
TT_DESKTOP_CANCELED, F-4
TT_DESKTOP_EACCESS, F-3
TT_DESKTOP_EINVAL, F-3
TT_DESKTOP_ENOENT, F-3
TT_DESKTOP_ENOMSG, F-3
TT_DESKTOP_ENOTSUP, F-4
TT_DESKTOP_EPROTO, F-3
TT_DESKTOP_UNMODIFIED, F-4
type database, Glossary-5
types namespace table, 5-6, 5-8
types namespace table, attributes, 5-8
type-specific attributes, Glossary-5
typing by content, 5-6

## V

vtype, for ToolTalk objects, F-2
vtypes, namespace for persistent objects, F-4

## W

Windows as Source Objects, A-7
wipe method, 3-2
workspace, Glossary-5