

[MS-FSRVP]: File Server Remote VSS Protocol

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Revision Summary

Date	Revision History	Revision Class	Comments

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1 Introduction

1.1 Glossary

endpoint
file system
fully qualified domain name (FQDN)
HRESULT
IDL
Microsoft Interface Definition Language (MIDL)
shadow copy

file store:

shadow copy utility:

volume shadow copy service (VSS):

VSS writer:

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:

1.2 References

1.2.1 Normative References

1.2.2 Informative References

1.3 Overview

shadow copy

1.4 Relationship to Other Protocols

1.5 Prerequisites/Preconditions

1.6 Applicability Statement

1.7 Versioning and Capability Negotiation

GetSupportedVersion (Opnum 0)

1.8 Vendor Extensible Fields

1.9 Standards Assignments

Parameter	Value	Reference

2 Messages

2.1 Transport

endpoint

- FssagentRpc

2.2 Common Data Types

Microsoft Interface Definition Language (MIDL)

Data type name	Section

2.2.1 Structures

Structure name	Section	Description

2.2.1.1 FSSAGENT_SHARE_MAPPING_1

```
typedef struct _FSSAGENT_SHARE_MAPPING_1 {
    GUID ShadowCopySetId;
    GUID ShadowCopyId;
    [string] LPWSTR ShareNameUNC;
    [string] LPWSTR ShadowCopyShareName;
    LONGLONG CreationTimestamp;
}
```



```
} FSSAGENT_SHARE_MAPPING_1, *PFSSAGENT_SHARE_MAPPING_1;
```

ShadowCopySetId:

ShadowCopyId:

ShareNameUNC:

ShadowCopyShareName:

CreationTimestamp:

2.2.2 Constants

2.2.2.1 SHADOW_COPY_ATTRIBUTES

Value	Meaning
	ExposeShadowCopySet RecoveryCompleteShadowCopySet

2.2.2.2 CONTEXT_VALUES

Value	Meaning

2.2.2.3 SHADOW_COPY_COMPATIBILITY_VALUES

Value	Meaning
	file store

2.2.2.4 FSRVP_VERSION_VALUES

Value	Meaning

2.2.3 Unions

Union name	Section	Description

2.2.3.1 FSSAGENT_SHARE_MAPPING

FSSAGENT_SHARE_MAPPING

```
typedef [switch_type(ULONG)] union _FSSAGENT_SHARE_MAPPING {  
    [case(1)]  
        PFSSAGENT_SHARE_MAPPING_1 ShareMapping1;  
    [default]  
        ;  
  
} FSSAGENT_SHARE_MAPPING, *PFSSAGENT_SHARE_MAPPING;
```

ShareMapping1:

FSSAGENT_SHARE_MAPPING_1

2.2.4 Error Codes

HRESULT

Return value/code	Description
	AddToShadowCopySet (Opnum 3) StartShadowCopySet (Opnum 2)
	SetContext (Opnum 1) StartShadowCopySet (Opnum 2)

3 Protocol Details

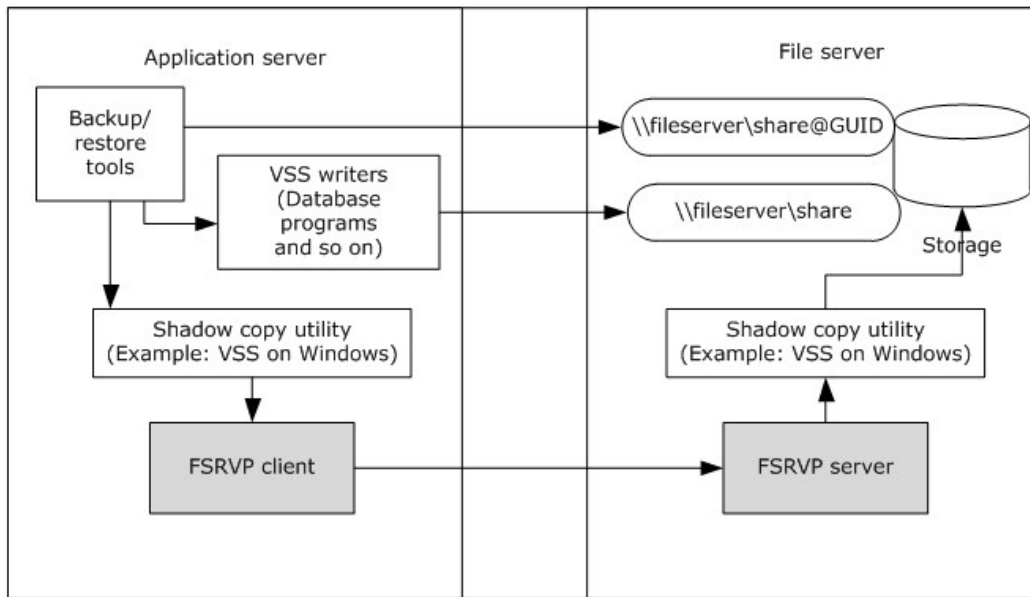


Figure 1: FSRVP client and server environments and components

shadow copy utility

3.1 FileServerVssAgent Server Details

3.1.1 Abstract Data Model

3.1.1.1 Global

ContextSet:

SetContext

CurrentContext

GlobalShadowCopySetTable
ShadowCopySetId

MinServerVersion

MaxServerVersion

3.1.1.2 Per ShadowCopySet

ShadowCopySet

ShadowCopySetId

Status

Context

ShadowCopyList **ShadowCopy**

3.1.1.3 Per ShadowCopy

ShadowCopy

ShadowCopyId

VolumeName

CreationTimeStamp

ShareMappingList

ShareMapping

3.1.1.4 Per MappedShare

MappedShare

ShareName:

ShadowCopyShareName
ShareName

IsExposed

3.1.2 Timers

Message Sequence Timer

3.1.3 Initialization

ContextSet

CurrentContext

GlobalShadowCopySetTable

GlobalShadowCopySetTable ShadowCopySet

MinServerVersion

MaxServerVersion

3.1.4 Message Processing Events and Sequencing Rules

Method	Description

Method	Description

_____	VSS writers

[_____](#)

[_____](#)

3.1.4.1 GetSupportedVersion (Opnum 0)

GetSupportedVersion

```
DWORD GetSupportedVersion(
```

```
[out] DWORD* MinVersion,  
[out] DWORD* MaxVersion);
```

MinVersion:

MaxVersion:

Return Values:

Return value/code	Description

MaxServerVersion *MinVersion* **MinServerVersion** *MaxVersion*

3.1.4.2 SetContext (Opnum 1)

SetContext

```
DWORD SetContext(  
    [in] handle_t hBinding,  
    [in] unsigned long Context);
```

hBinding:

Context:

Return Values:

Return value/code	Description

Context

Context
ContextSet

CurrentContext

3.1.4.3 StartShadowCopySet (Opnum 2)

StartShadowCopySet

```
DWORD StartShadowCopySet (  
    [in] handle_t hBinding,  
    [in] GUID ClientShadowCopySetId,  
    [out] GUID* pShadowCopySetId);
```

hBinding:

ClientShadowCopySetId:

pShadowCopySetId:

Return Values:

Return value/code	Description
	StartShadowCopySet (Opnum 2)

ContextSet

ShadowCopySet GlobalShadowCopySetTable

- **ShadowCopySetId**
- **Status**
- **Context** **CurrentContext**
- **ShadowCopyList**

pShadowCopySetId **ShadowCopySetId,**

3.1.4.4 AddToShadowCopySet (Opnum 3)

AddToShadowCopySet

```
DWORD AddToShadowCopySet (  
    [in] handle_t hBinding,
```

```

[in] GUID ClientShadowCopyId,
[in] GUID ShadowCopySetId,
[in] [string] LPWSTR ShareName,
[out] GUID* pShadowCopyId);

```

hBinding:

ClientShadowCopyId:

ShadowCopySetId:

ShareName

ShareName:

pShadowCopyId:

Return Values:

Return value/code	Description

ShareName

ShareName

ShadowCopySetId.

ShadowCopySet

GlobalShadowCopysetTable

ShadowCopySet.Status

ShadowCopy.VolumeName **ShadowCopy** **ShadowCopySet.ShadowCopyList**
ShareName **file system**

ShadowCopy
ShadowCopySet

- **ShadowCopyId**
- **VolumeName**
- **CreationTimeStamp**
- **ShareMappingList**

MappedShare
ShadowCopy.ShareMappingList

- **ShareName** *ShareName*
- **ShadowCopyShareName**
- **IsExposed**

ShadowCopySet.Status

pShadowCopyId **ShadowCopy.ShadowCopyId,**

3.1.4.5 CommitShadowCopySet (Opnum 4)

CommitShadowCopySet

```
DWORD CommitShadowCopySet(  
    [in] handle_t hBinding,  
    [in] GUID ShadowCopySetId,  
    [in] unsigned long TimeOutInMilliseconds);
```

hBinding:

ShadowCopySetId:

TimeOutInMilliseconds:

Return Values:

Return value/code	Description

Return value/code	Description

ShadowCopySet GlobalShadowCopysetTable
ShadowCopySetId.
ShadowCopySet.Status "

ShadowCopySet.Status

ShadowCopySet.Status

TimeOutInMilliseconds

TimeOutInMilliseconds, ShadowCopySet.Status

3.1.4.6 ExposeShadowCopySet (Opnum 5)

ExposeShadowCopySet

```
DWORD ExposeShadowCopySet(
    [in] handle_t hBinding,
    [in] GUID ShadowCopySetId,
    [in] unsigned long TimeOutInMilliseconds);
```

hBinding:

ShadowCopySetId:

TimeOutInMilliseconds:

Return Values:

Return value/code	Description

ShadowCopySetId. **ShadowCopySet** **GlobalShadowCopysetTable**

ShadowCopySet.Status

ShadowCopySet

- **ShadowCopy** **ShadowCopySet.ShadowCopyList**
- **MappedShare** **ShadowCopy.ShareMappingList**
-

MappedShare.ShareName

MappedShare.ShareName _____

- **MappedShare.ShareName**
- **ShadowCopySet.Context**
 RecoveryCompleteShadowCopySet
- **MappedShare.ShadowCopyShareName**
 ShareMapping.IsExposed

TimeOutInMilliseconds,

TimeOutInMilliseconds,

ShadowCopySet.Status

TimeOutInMilliseconds

3.1.4.7 RecoveryCompleteShadowCopySet (Opnum 6)

RecoveryCompleteShadowCopySet

```
DWORD RecoveryCompleteShadowCopySet(  
    [in] handle_t hBinding,  
    [in] GUID ShadowCopySetId);
```

hBinding:

ShadowCopySetId:

Return Values:

Return value/code	Description

ShadowCopySet

GlobalShadowCopysetTable

ShadowCopySetId.

ShadowCopySet.Status

3.1.4.8 AbortShadowCopySet (Opnum 7)

AbortShadowCopySet

```
DWORD AbortShadowCopySet(  
    [in] handle_t hBinding,  
    [in] GUID ShadowCopySetId);
```

hBinding: _____

ShadowCopySetId:

Return Values: _____

Return value/code	Description

ShadowCopySetId

ShadowCopySet GlobalShadowCopysetTable

ShadowCopySetId.

ShadowCopySet

ShadowCopySet GlobalShadowCopySetTable
ContextSet

3.1.4.9 IsPathSupported (Opnum 8)

IsPathSupported

```
DWORD IsPathSupported(  
    [in] handle_t hBinding,  
    [in] [string] LPWSTR ShareName,
```

```
[out] BOOL* SupportedByThisProvider,  
[out] [string] LPWSTR* OwnerMachineName);
```

hBinding: _____

ShareName:

SupportedByThisProvider:

OwnerMachineName: _____
ShareName

Return Values: _____

Return value/code	Description

_____ *ShareName*

ShareName

OwnerMachineName

SupportedByThisProvider *ShareName.*

3.1.4.10 IsPathShadowCopied (Opnum 9)

IsPathShadowCopied

```
DWORD IsPathShadowCopied(  
    [in] handle_t hBinding,  
    [in] [string] LPWSTR ShareName,  
    [out] BOOL* ShadowCopyPresent,  
    [out] long* ShadowCopyCompatibility);
```

hBinding: _____

ShareName:

ShadowCopyPresent: *ShareName*

ShadowCopyCompatibility:

Return Values:

Return value/code	Description

ShareName

ShareName

ShadowCopySet

ShadowCopySet.ShadowCopyList

ShadowCopy.VolumeName

GlobalShadowCopySetTable

ShadowCopyPresent

ShadowCopySet.Status

ShadowCopy

ShadowCopy

ShadowCopy

ShareName

- *ShadowCopyPresent*
-
- *ShadowCopyCompatibility*
- *ShadowCopyCompatibility*

3.1.4.11 GetShareMapping (Opnum 10)

GetShareMapping

```
DWORD GetShareMapping(  
    [in] handle_t hBinding,
```

```
[in] GUID ShadowCopyId,  
[in] GUID ShadowCopySetId,  
[in] [string] LPWSTR ShareName,  
[in] DWORD Level,  
[out] [switch_is(Level)] PFSSAGENT_SHARE_MAPPING ShareMapping);
```

hBinding:

ShadowCopyId:

ShadowCopySetId:

ShareName:

Level:

Value	Meaning

ShareMapping:

Level	ShareMapping1
<i>ShareMapping</i>	
▪ ShareMapping1.ShadowCopySetId	ShadowCopySet.ShadowCopySetId
▪ ShareMapping1.ShadowCopyId	ShadowCopy.ShadowCopyId
▪ ShareMapping1.ShareNameUNC	MappedShare.ShareName
▪ MappedShare.IsExposed	ShareMapping1.ShadowCopyShareName
▪ MappedShare.ShadowCopyShareName	ShareMapping1.ShadowCopyShareName
▪ ShareMapping1.CreationTimeStamp	ShadowCopy.CreationTimeStamp

3.1.4.12 DeleteShareMapping (Opnum 11)

DeleteShareMapping

```
DWORD DeleteShareMapping(
    [in] handle_t hBinding,
    [in] GUID ShadowCopySetId,
    [in] GUID ShadowCopyId,
    [in] [string] LPWSTR ShareName);
```

hBinding:

ShadowCopySetId:

ShadowCopyId:

ShareName:

Return Values:

Return value/code	Description

ShareName	ShadowCopySetId	ShadowCopyId
------------------	------------------------	---------------------



3.1.4.13 PrepareShadowCopySet (Opnum 12)

PrepareShadowCopySet

```

DWORD PrepareShadowCopySet(
    [in] handle_t hBinding,
    [in] GUID ShadowCopySetId,
    [in] unsigned long TimeOutInMilliseconds);
  
```

hBinding: _____

ShadowCopySetId:

TimeOutInMilliseconds:

Return Values: _____

Return value/code	Description

Return value/code	Description

ShadowCopySetId. ShadowCopySet GlobalShadowCopysetTable

ShadowCopySet.Status "

TimeOutInMilliseconds

TimeOutInMilliseconds,

3.1.5 Timer Events

Message Sequence Timer elapses:

ShadowCopySet GlobalShadowCopySetTable ShadowCopySet.Status

ContextSet ShadowCopySet

3.1.6 Other Local Events

3.2 FileServerVssAgent Client Details

3.2.1 Abstract Data Model

3.2.1.1 Global

CurrentContext

GlobalShadowCopySetTable

ShadowCopySetId

ServerName

PrepareTimeout

CommitTimeout

ExposeTimeout

ClientVersion

3.2.1.2 Per ShadowCopySet

ShadowCopySet

ShadowCopySetId

ServerShadowCopySetId

ServerName

ShadowCopySet

Status

Context

ShadowCopyList

ShadowCopy

3.2.1.3 Per ShadowCopy

ShadowCopy

ShadowCopyId

ServerShadowCopySetId

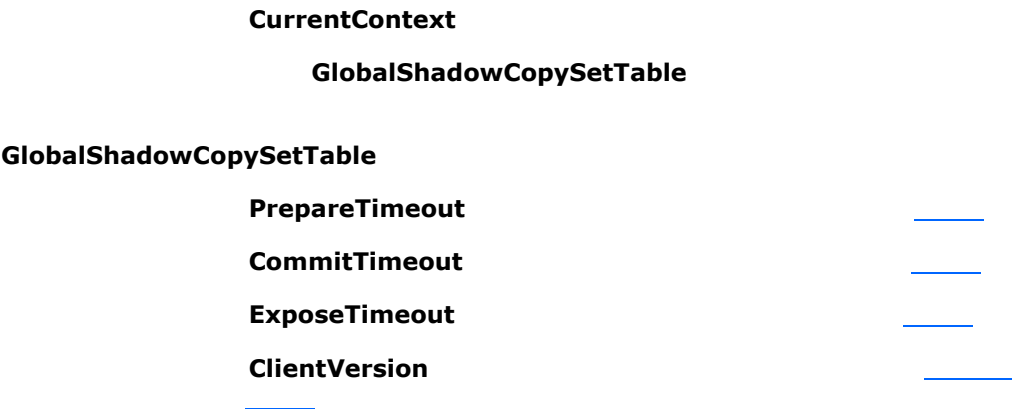
ServerName

ShareName

ExposedName
CreationTimeStamp

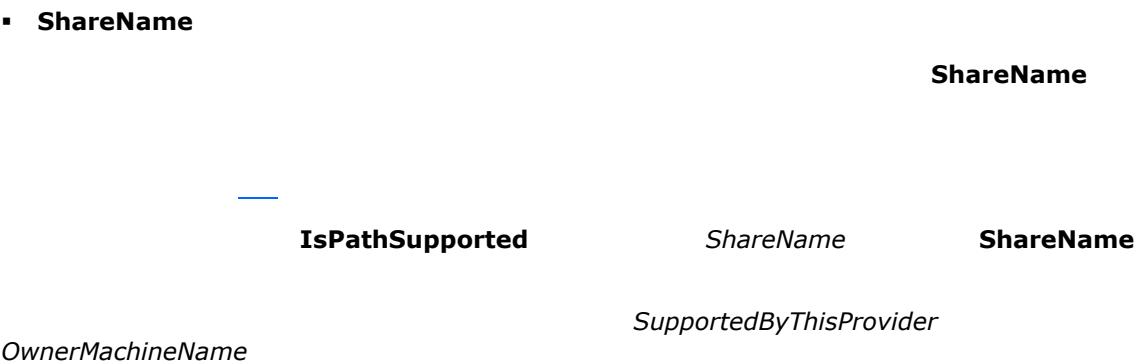
3.2.2 Timers

3.2.3 Initialization



3.2.4 Message Processing Events and Sequencing Rules

3.2.4.1 Application Queries Shadow Copy Support for a Share



3.2.4.2 Application Requests Shadow Copy Preparation For a Share

- **ShareName**

- **Context**
- **ShadowCopySetId**
- **ShadowCopyId**
- **IsLastShareToAdd**

ShareName

```

ShadowCopySet    GlobalShadowCopySetTable
ShadowCopySet.ServerName
ShareName        ShadowCopySet.ShadowCopySetId
ShadowCopySetId

```

3.2.4.2.1 Starting a Shadow Copy Set

ShadowCopySet

GlobalShadowCopySetTable

- | | | |
|--------------------------------|-------------------------|------------------|
| ▪ ShadowCopySetId | <i>ShadowCopySetId.</i> | |
| ▪ ServerShadowCopySetId | <i>ShadowCopySetId</i> | |
| ▪ ServerName | | <i>ShareName</i> |
| ▪ Status | | |
| ▪ Context | CurrentContext | |
| ▪ ShadowCopyList | | |

- **PathFormat** **FQDN**

3.2.4.2.2 Adding Shadow Copies to the Shadow Copy Set

ShadowCopySet.Status

ShadowCopySet.PathFormat **ShareName**
ShadowCopy.ShareName **ShadowCopySet.ShadowCopyList,**

AddToShadowCopySet *ClientShadowCopyId*
ShadowCopyId *ShadowCopySetId*
ShadowCopySet.ServerShadowCopySetId *ShareName*
ShareName
ShadowCopy

- **ShadowCopyId** **ShadowCopyId**
- **ServerShadowCopyId** *ShadowCopyId*
- **ServerName** *ShareName*
- **ShareName** *ShareName*
- **ExposedName**
- **CreationTimeStamp**
- **IsLastShareToAdd**
- **PrepareShadowCopySet** *ShadowCopySetId*
ShadowCopySet.ServerShadowCopySetId *TimeOutInMilliseconds*
PrepareTimeout.
-

3.2.4.3 Application Requests Committing a Shadow Copy Set

- **ShadowCopySetId**
ShadowCopySet **GlobalShadowCopySetTable**
ShadowCopySet.ShadowCopySetId **ShadowCopySetId**
CommitShadowCopySet *ShadowCopySetId*
ShadowCopySet.ServerShadowCopySetId *TimeOutInMilliseconds* **CommitTimeout**

ShadowCopySet.Status

3.2.4.4 Application Requests Exposing a Shadow Copy Set

- ShadowCopySetId

ShadowCopySet.ShadowCopySetId ShadowCopySet GlobalShadowCopySetTable
ShadowCopySetId ShadowCopySetId

ShadowCopySet.Status

ExposeShadowCopySet ShadowCopySetId
ShadowCopySet.ServerShadowCopySetId TimeoutInMilliseconds ExposeTimeout

ShadowCopySet.Status

ShadowCopy ShadowCopySet.ShadowCopyLis
GetShareMapping ShadowCopyId ShadowCopy.ServerShadowCopyId
ShadowCopySetId ShadowCopySet.ServerShadowCopySetId ShareName
ShadowCopy.ShareName

- ShadowCopy.ExposedName ShareMapping.ShadowCopyShareName
- ShadowCopy.CreationTimeStamp ShareMapping.CreationTimestamp

3.2.4.5 Application Updates Recovery Status of a Shadow Copy Set

- ShadowCopySetId

ShadowCopySet.ShadowCopySetId ShadowCopySet GlobalShadowCopySetTable
ShadowCopySetId ShadowCopySetId

ShadowCopySet.Status

RecoveryCompleteShadowCopySet ShadowCopySetId
ShadowCopySet.ServerShadowCopySetId

ShadowCopySet.Status

3.2.4.6 Application Aborts a Shadow Copy Set

- ShadowCopySetId

	ShadowCopySet	GlobalShadowCopySetTable
ShadowCopySet.ShadowCopySetId		ShadowCopySetId

	AbortShadowCopySet	<i>ShadowCopySetId</i>
ShadowCopySet.ServerShadowCopySetId		

ShadowCopySet	GlobalShadowCopySetTable	ShadowCopySet
----------------------	---------------------------------	----------------------

3.2.4.7 Application Queries Shadow Copy Information of a Share

- **ShareName**
- **ShadowCopySetId**
- **ShadowCopyId**

	ShadowCopySet	GlobalShadowCopySetTable
ShadowCopySet.ShadowCopyId		ShadowCopySetId

	ShadowCopy	ShadowCopySet.ShadowCopyList
ShadowCopy.ShareName		

ShadowCopy

3.2.4.8 Application Requests Deleting Shadow Copy Of a Share

- **Identifier**
IsShadowCopySet
- **IsShadowCopySet** *Identifier*

IsShadowCopySet

	ShadowCopySet	GlobalShadowCopySetTable
ShadowCopySet.ShadowCopySetId		<i>Identifier</i>

	GetSupportedVersion	<i>MinVersion</i>
ClientVersion		

<i>MinVersion</i>	<i>MaxVersion</i>
-------------------	-------------------

ClientVersion

	ShadowCopy	ShadowCopySet.ShadowCopyList
DeleteShareMapping	<i>ShadowCopySetId</i>	
ShadowCopySet.ServerShadowCopySetId	<i>ShadowCopyId</i>	
ShadowCopy.ServerShadowCopyId	<i>ShareName</i>	ShadowCopy.ShareName

ShadowCopy	ShadowCopy	ShadowCopySet.ShadowCopyList ShadowCopySet
-------------------	-------------------	---

IsShadowCopySet

- | | | |
|--------------------------------|-------------------------------------|---------------------------------|
| | ShadowCopySet | GlobalShadowCopySetTable |
| ShadowCopy | ShadowCopySet.ShadowCopyList | |
| ShadowCopy.ShadowCopyId | | Identifier |
 - | | | |
|--|---------------------------|-----------------------------|
| | DeleteShareMapping | <i>ShadowCopySetId</i> |
| ShadowCopySet.ServerShadowCopySetId | <i>ShadowCopyId</i> | |
| ShadowCopy.ServerShadowCopyId | <i>ShareName</i> | ShadowCopy.ShareName |
- | | |
|-------------------------------------|-------------------|
| | ShadowCopy |
| ShadowCopySet.ShadowCopyList | ShadowCopy |

3.2.4.9 Application Requests Shutdown of Client

ShadowCopySet	GlobalShadowCopySetTable	ShadowCopySet.Status
	AbortShadowCopySet	
<i>ShadowCopySetId</i>	ShadowCopySet.ServerShadowCopySetId	

3.2.5 Timer Events

3.2.6 Other Local Events

4 Protocol Examples

4.1 Shadow Copy Preparation

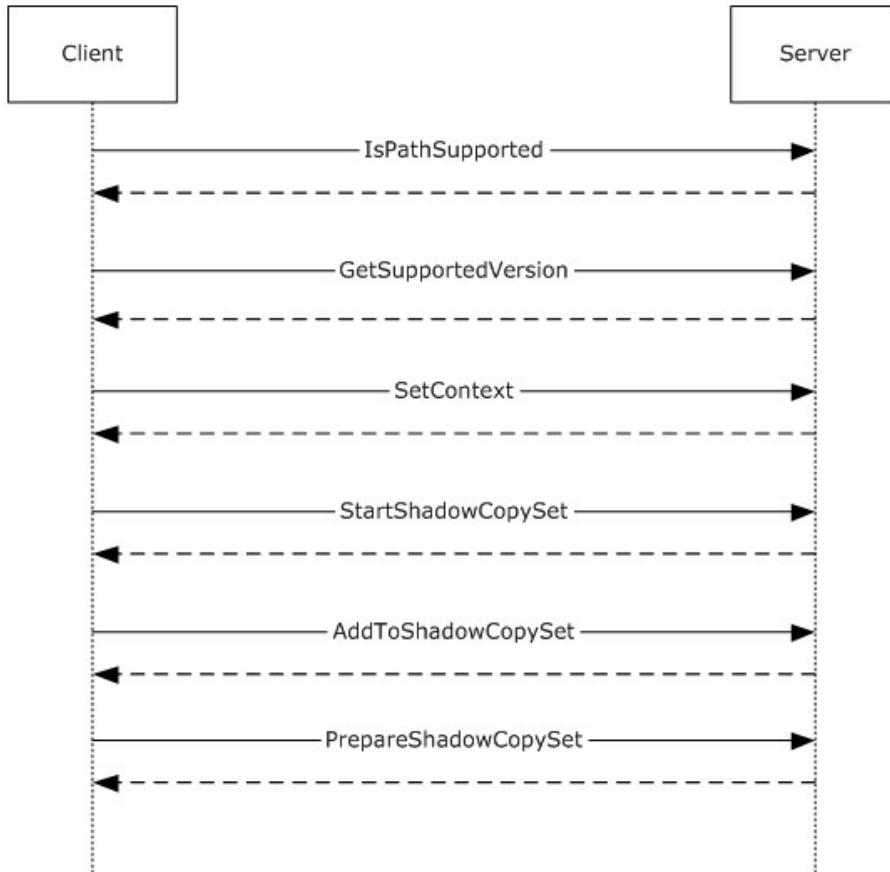


Figure 2: Message sequence for preparing a shadow copy set

IsPathSupported (Opnum 8)

GetSupportedVersion (Opnum 0)

SetContext (Opnum 1)

StartShadowCopySet (Opnum 2)

AddToShadowCopySet (Opnum 3)

PrepareShadowCopySet (Opnum 12)

4.2 Shadow Copy Creation

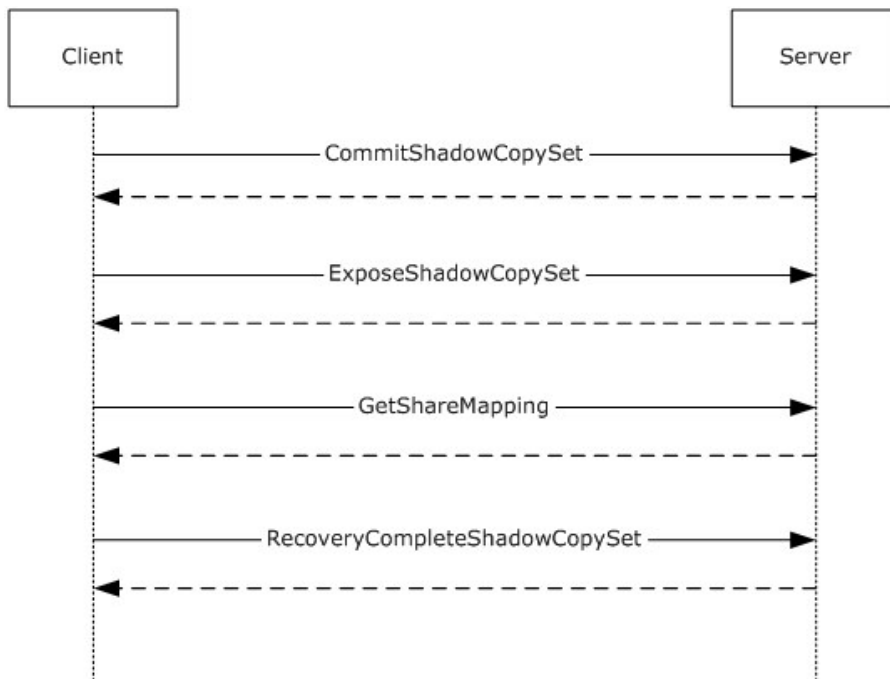


Figure 3: Message sequence for committing a shadow copy set

CommitShadowCopySet (Opnum 4)

ExposeShadowCopySet (Opnum 5)

GetShareMapping (Opnum 10)

RecoveryCompleteShadowCopySet (Opnum 6)

4.3 Shadow Copy Deletion

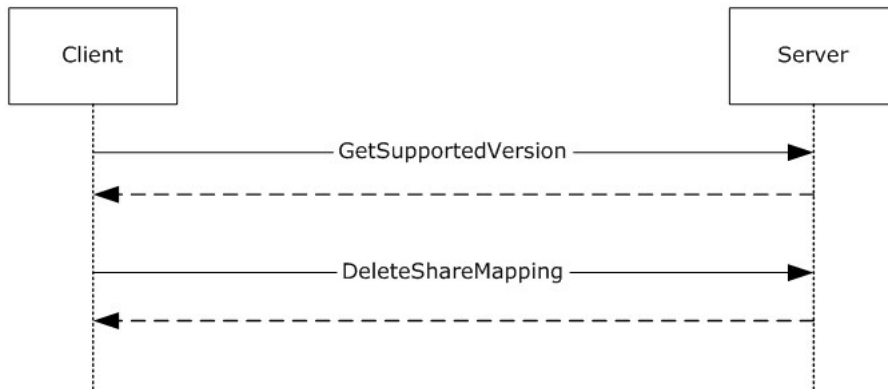


Figure 4: Message sequence for committing a shadow copy set

GetSupportedVersion (Opnum 0)

DeleteShareMapping (Opnum 11)

5 Security

5.1 Security Considerations for Implementers

5.2 Index of Security Parameters

6 Appendix A: Full IDL

IDL

```
import "ms-dtyp.idl";

[
    uuid(A8E0653C-2744-4389-A61D-7373DF8B2292),
    version(1.0),
    ms_union,
    pointer_default(unique)
]

interface FileServerVssAgent
{
    typedef struct _FSSAGENT_SHARE_MAPPING_1 {
        GUID ShadowCopySetId;
        GUID ShadowCopyId;
        [string] LPWSTR ShareNameUNC;
        [string] LPWSTR ShadowCopyShareName;
        LONGLONG CreationTimestamp;
    } FSSAGENT_SHARE_MAPPING_1, *PFSSAGENT_SHARE_MAPPING_1;

    typedef [switch_type(unsigned long)] union _FSSAGENT_SHARE_MAPPING {
        [case(1)]
            FSSAGENT_SHARE_MAPPING_1 *ShareMapping1;
        [default]
            ;
    } FSSAGENT_SHARE_MAPPING, *PFSSAGENT_SHARE_MAPPING;
```

```

DWORD ExposeShadowCopySet (
[in] handle_t hBinding,
[in] GUID ShadowCopySetId,
[in] unsigned long TimeOutInMilliseconds);

DWORD RecoveryCompleteShadowCopySet (
[in] handle_t hBinding,
[in] GUID ShadowCopySetId);

DWORD AbortShadowCopySet (
[in] handle_t hBinding,
[in] GUID ShadowCopySetId);

DWORD IsPathSupported (
[in] handle_t hBinding,
[in] [string] LPWSTR ShareName,
[out] BOOL* SupportedByThisProvider,
[out] [string] LPWSTR* OwnerMachineName);

DWORD IsPathShadowCopied (
[in] handle_t hBinding,
[in] [string] LPWSTR ShareName,
[out] BOOL* ShadowCopyPresent,
[out] long* ShadowCopyCompatibility);

DWORD GetShareMapping (
[in] handle_t hBinding,
[in] GUID ShadowCopyId,
[in] GUID ShadowCopySetId,
[in] [string] LPWSTR ShareName,
[in] DWORD Level,
[out] [switch_is(Level)] FSSAGENT_SHARE_MAPPING *ShareMapping);

DWORD DeleteShareMapping (
[in] handle_t hBinding,
[in] GUID ShadowCopySetId,
[in] GUID ShadowCopyId,
[in] [string] LPWSTR ShareName);

DWORD PrepareShadowCopySet (
[in] handle_t hBinding,
[in] GUID ShadowCopySetId,
[in] unsigned long TimeOutInMilliseconds);
}

```

7 Appendix B: Product Behavior

-
-
-
-

MinServerVersion

MaxServerVersion

StartShadowCopySet

-
-

AbortShadowCopySet

VSS

NetrShareAdd()

- **MappedShare.ShareName**
- **MappedShare.ShareName**

ShadowCopySet.Status

8 Change Tracking

New

Major

▪

▪

Minor

Editorial

No change

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

▪

Editorially updated.

▪ **Protocol syntax**

▪ **Protocol revision**

Section	Tracking number (if applicable) and description	Major change (Y or N)	Change type
<hr/> <hr/> <hr/>			

9 Index

A

[illegible]

C

[illegible]

D

E

F

[illegible]

Government	Percentage
Current government	85%
Previous government	15%

Government	Percentage
Current government	45%
Previous government	55%

[illegible]

