Product ID . . . . : 2A55SM2 Gumbo Mail - Gumbo Software, Inc.   **Page**   1
Release . . . . . . : V1R9M0
As of . . . . : 2022-06-03

PTF ID	Description	Status mm/dd/yy	Superseded By
1S90ALL	Cumulative PTF Package Last Updated 2022/06/03		
1S90001	IFS Erroneous Glob Processing	03/09/20	1S90004
	o Glob (wildcard) processing was being too picky, only finding stream files in pure directories. Processing now correctly handles all Integrated File System objects including documents and folders.		
	o Potential memory leak under error conditions removed from glob processing.		
1S90002	SND Glob Memory & Descriptor Leaks	03/09/20	1S90010
	o Glob (wildcard) processing was leaking memory and file descriptors resulting CPE3452, Too many open files.		
1S90003	IFS Glob Performamnce Improvement	03/09/20	1S90004
	o Glob (wildcard) processing is improved for non wildcard selection over directory with many files.		
1S90004	IFS New Export Added	03/10/20	
	o New function to open (create) a file based on CCSID instead of CPGID added. This facilitates control over the created file's CCSID attribute.		
1S90005	SND File Open Change	03/09/20	1S90010
	o Now uses IfsOpenCcsid().		
1S90006	SND Add CID Processing, Etc.	03/10/20	1S90010
	o SND Include object (INCOBJ) parameter has been enhanced to include a Content-ID element. With the addition "multipart/related" groups can be generated. - Objects can be designated as part of a group of alternatives and/or can be assigned a Content-ID to designate it as a member of a group of related objects which allows reference reference between objects. There is interplay between alternative group and related group. The following rules are applied: o The MSG() parameter, if specified, has implied Content-ID of *NONE and an implied alternate group of *NONE. o Objects in each alternate group number are considered in turn with alternate group *NONE treated as group 0.		

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PTF ID	Description	Status mm/dd/yy	Superseded By
	o If a group contains more than one object and at least one object has a Content-ID specified, a related group is formed.		
	o The first object within the alternate group that does not have a a Content-ID specified is considered the root of and included in the related group. All other objects without a Content-ID are not included in the related group.		
	o If all objects in an alternate group have a Content-ID then the first object is considered the root of the related group.		
	o RFC-2231 implemented allowing non-ascii characters to appear in MIME field parameter values.		
1S90007	SND Enhance INCOBJ() Parameter	03/10/20	

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           o SND Include object (INCOBJ) parameter has been
             enhanced to include a Content-ID element. With
             the addition "multipart/related" groups can be
             generated.
             -
             Objects can be designated as part of a group
             of alternatives and/or can be assigned a
             Content-ID to designate it as a member of a
             group of related objects which allows reference
             reference between objects. There is interplay
             between alternative group and related group.
             The following rules are applied:
             o The MSG() parameter, if specified, has
               implied Content-ID of *NONE and an implied
               alternate group of *NONE.
             o Objects in each alternate group number are
               considered in turn with alternate group *NONE
               treated as group 0.
             o If a group contains more than one object
               and at least one object has a Content-ID
               specified, a related group is formed.
             o The first object within the alternate group
               that does not have a  a Content-ID specified
               is considered the root of and included in
               the related group. All other objects
               without a Content-ID are not included in
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PTF ID	Description	Status mm/dd/yy	Superseded By
	the related group.		
	o If all objects in an alternate group have a Content-ID then the first object is considered the root of the related group.		
	o RFC-2231 implemented allowing non-ascii characters to appear in MIME field parameter values.		
1S90008	PID Add New Object Integrity Certificates	03/09/20	1S90009
	o Add newer object integrity certificates to product. Thess will be used to sign objects in the future.		
1S90009	PID Add New Object Integrity Certificates	03/10/20	
	o Add newer object integrity certificates to product. Thess will be used to sign objects in the future.		
1S90010	SND *PAGDTA Processing Drops File	03/10/20	
	o Uninitialized variable caused missing attachment when *PAGDTA spooled file splitting was used. The error does not affect this product but is corrected.		

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